

20021105.qrp v02_n731.qrl.20021105

Date: Tue, 5 Nov 2002 19:03:04 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2731

QRP-L Digest 2731

Topics covered in this issue include:

- 1) [139302] Prelim results QRP in SS (from 3830)
by alan.kaul@att.net
- 2) [139303] Re: Spartan Sprint Contest Tonight!
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 3) [139304] FOX: W0UFO FINAL LOG
by "Tom Palmer" <n1tp@swfla.rr.com>
- 4) [139305] Re: Good design reasons to specify 12 volts min. and 13.8 max on Ten
Tec
Arognaut V
by Jerry Lofstead <w3cde@bellsouth.net>
- 5) [139306] Re: Good design reasons to specify 12 volts min. and 13.8 max on Ten
Tec Arognaut V
by "Russ Hines" <wb8zcc@one.net>
- 6) [139307] Re: Good design reasons to specify 12 volts min. and 13.8 max on Ten
Tec Arognaut V
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [139308] WR50 SS results
by "Dave WR50" <dendav@dzdn.com>
- 8) [139309] Re: Million Mile Braggin'
by "Pablo L. Robles" <wp4jxd@isla.net>
- 9) [139310] Dipole radiation
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 10) [139311] The Gap Titan "Counterpoise"
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 11) [139312] What happens with the Yaesu 817 Power demands
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 12) [139313] QRP CW SS Report de WA5BDU
by Nick Kennedy <nkennedy@tcainternet.com>
- 13) [139314] Re: 3XY7C 10.104 Wheehaw!
by John Harper AE5X <ae5x@qsl.net>
- 14) [139315] OT: Getting the #*\$@# connector off!
by "David Beach" <dbeach@blvl.igs.net>
- 15) [139316] SideKick Kickoff-----pun intended :-)
by "Jay Bromley" <w5jay@alltel.net>
- 16) [139317] SSCW 02 de N8IE
by "Emmerson Bigguns" <n8ie@woh.rr.com>
- 17) [139318] Spartan Sprint

by "Jerry Ford" <benlightnd13@mchsi.com>

18) [139319] Re: SSCW
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>

19) [139320] Re: Tales of TDA1072 1-chip RX ...
by Ade Weiss W0RSP <adeweiss@sd.value.net>

20) [139321] Koch method CW Trainer upgrade
by "Ray Goff" <radioham@gmx.co.uk>

21) [139322] Re: 3XY7C 10.104 Wheehaw!
by Ade Weiss W0RSP <adeweiss@sd.value.net>

22) [139323] RE: Tales of TDA1072 1-chip RX ...
by Nick Kennedy <nkennedy@tcainternet.com>

23) [139324] UPDATE: Experimenter's DDS Signal Generator Kit
by "Trevor Jacobs" <kg6cyn@earthlink.net>

24) [139325] SP FUN
by "Steve/n0tu" <n0tu@codenet.net>

25) [139326] Nor'Easter Problems
by Ted Kell <tedkell@ev1.net>

26) [139327] Re: SP FUN
by "Jim Stamper" <jstamper@shentel.net>

27) [139328] OT... typical joel
by hamjoel@juno.com

28) [139329] Re: What happens with the Yaesu 817 Power demands
by David Hinerman <WD8CIV@worldnet.att.net>

29) [139330] RE: Tales of TDA1072 1-chip RX ...
by David Hinerman <WD8CIV@worldnet.att.net>

30) [139331] First 100 SideKick Receiver Kits sell out in one day: more coming
by "Doug Hendricks" <ki6ds@dospalos.org>

31) [139332] Re: SP FUN
by "Steve/n0tu" <n0tu@codenet.net>

32) [139333] Re: Looking for a wierd problem with a part
by "Brad Hernlem" <alihernlem@hotmail.com>

33) [139334] Digest 2730 comment
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>

34) [139335] FS:Index Labs QRP+ with Companion
by "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>

35) [139336] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>

36) [139337] Re: First 100 SideKick Receiver Kits sell out in one day: more coming
by Chris Cartwright <ccart@phideaux.com>

37) [139338] Re: Sweepstakes Logging Question
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>

38) [139339] MM-2 Manual Found!
by "NZ8J" <nz8j@woh.rr.com>

39) [139340] FS shack cleaning
by Wayne Glover WE7G <wayneg@inovion.com>

40) [139341] It's Election Day (In the US anyway)
by Rob Matherly <w0jrm@arrl.net>

- 41) [139342] Sweepstakes
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 42) [139343] SS -- The "Official", *LONG* Results, etc... :-)
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 43) [139344] Re: The Gap Titan
by "" <markb@abq.com>
- 44) [139345] Fox - Winter Fox Hunt Teams.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 45) [139346] W40C QSL status
by "George Osier" <gosier@twcny.rr.com>
- 46) [139347] Final Scores for QRP Afield
by Chuck Ludinsky <cjl@mitre.org>
- 47) [139348] W40C QSL status
by "George Osier" <gosier@twcny.rr.com>
- 48) [139349] Re: [fpqrp] It's Election Day (In the US anyway)
by wb0wao@hotmail.com (Dennis Ponsness)
- 49) [139350] KITS: Table Tob Nor'easter
by Steven Weber <kd1jv@moose.ncia.net>
- 50) [139351] Spartin Sprint
by Steven Weber <kd1jv@moose.ncia.net>
- 51) [139352] OT: Ocean State Electronics
by Dave Hottell <hottell@gulftel.com>
- 52) [139353] Re: Spartin Sprint
by "Jim Stamper" <jstamper@shentel.net>
- 53) [139354] RE: [fpqrp] It's Election Day (In the US anyway)
by "KD5NWA" <KD5NWA@mbayona.com>
- 54) [139355] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [139356] RE: W40C QSL status
by "Mike D." <hrg@cifnet.com>
- 56) [139357] RE: [fpqrp] It's Election Day (In the US anyway)
by "Randy Randall" <RANDALLR@healthall.com>
- 57) [139358] Another Obnoxious, self-serving YIPPEE post!
by W2AGN <w2agn@w2agn.net>
- 58) [139359] Re: [fpqrp] It's Election Day (In the US anyway)
by "Paul M." <mooney@cytanet.com.cy>
- 59) [139360] N3BJ Fox Final Log
by "Alan Fryer" <N3BJ@hotmail.com>
- 60) [139361] FS shack cleaning - update
by Wayne Glover WE7G <wayneg@inovion.com>
- 61) [139362] Re: Another Obnoxious, self-serving YIPPEE post!
by Bob Nielsen <nielsen@oz.net>
- 62) [139363] Re: KITS: Table Tob Nor'easter
by Alex <kr1st@amsat.org>
- 63) [139364] Re: Points/watt in the CW SS? (was RE: Another state falls to
2 mWatts - FREE ARRL Handbook?)
by Larry Cahoon <lejek@erols.com>
- 64) [139365] Ordered my DDS sig gen kit from Trev...CQ digikey.com ...

by "Bill, N4QA" <n4qa@hotmail.com>
 65) [139366] RE: Points/watt in the CW SS? (was RE: Another state falls to 2
 mWatts - FREE ARRL Handbook?)
 by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
 66) [139367] Re: [fpqrp] It's Election Day (In the US anyway)
 by John Harper AE5X <ae5x@qsl.net>
 67) [139368] K7Q0 Road Trip Report [very long]
 by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
 68) [139369] Run that by me one more time
 by "Jerry Ford" <benlightnd13@mchsi.com>
 69) [139370] MP-1 in a balcony
 by "Juan A. Bertolin" <ea5xq@qsl.net>
 70) [139371] Re: Run that by me one more time
 by "Mike WA8BXN" <hubby2k@hotmail.com>
 71) [139372] FOX: New team?
 by "Jason Hissong" <jhisson1@columbus.rr.com>
 72) [139373] RE: Koch method CW Trainer upgrade
 by "Dave Richards" <wr3i@earthlink.net>
 73) [139374] NEQRP SSB tonight?
 by "Dave Richards" <wr3i@earthlink.net>

 Date: Mon, 04 Nov 2002 23:58:06 +0000
 From: alan.kaul@att.net
 To: qrp-l@lehigh.edu
 Subject: [139302] Prelim results QRP in SS (from 3830)
 Message-ID: <20021104235815.XNWJ22044.mtiwmhc11.worldnet.att.net@mtiwebc08>

The 3830-list (contest scores list) shows the following individuals who have posted their scores in the QRP category.

Single Op QRP

Call	QSOs	Secs	hr	Score	Club
K4RO	766	79	22	121,028	TCG
W9WI	762	79	22	120,396	TCG
N2CU	725	79	24	114,550	WNYDXA
K5WO	729	77	24	112,266	NTCC
N9NE	636	80	24	101,760	SMC
VE3XAX	603	79	24	95,274	CCO
N2WK	490	76	17	74,480	RDXA
W4PM	416	77	11	64,064	
N2CQ	213	64	6	27,264	FRC
K9IUA	206	66	12	27,192	
K7GT(@WA6YHJ)	202	66	6	26,664	NCCC

W6RCL	200	66		26,268
WW5X	146	64	6	18,688
WA1Z	135	55		14,850 YCCC
WX3M	112	45		10,080 MRRC
N5IA	27	25	1	1,350

If you're interested in posting your score to the 3830 list (there's a specific input page so the data can be auto-combined), check WA7BNW's website:
<http://www.hornucopia.com/>

And if you're interested in reading all the scores check
<http://www.contesting.com/> and scroll down the lefthand side til you see the item marked 3830. Click on 3830 and it will navigate to the website which compiles scores by the month.

72/73 de alan

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Alan Kaul, LaCanada, CA 91011
 w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

 Date: Mon, 4 Nov 2002 18:20:38 -0600
 From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
 To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
 Subject: [139303] Re: Spartan Sprint Contest Tonight!
 Message-ID: <003b01c28461\$2ac45800\$a1601f41@wi.rr.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Hmmm....Monday night Packer game or Spartan Sprint.....

Glenn Butzlaff, WE9K

Go Cheeseheads!

 Date: Mon, 4 Nov 2002 18:40:05 -0500

From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [139304] FOX: W0UFO FINAL LOG
Message-ID: <001301c2845b\$80960180\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

W0UFO FINAL LOG HUNT - WEEK NUMBER ONE

UTC	CALL	HIS	MINE	SPC	NAME	PWR
0201	K0PC	559	559	MN	PAT	5W
0201	K8HJ	559	559	MI	JOHN	5W
02	VA6RF	559	559	AB	EARL	5W
03	WE9K	559	599	WI	GLENN	5W
04	WA9TZE	559	559	WI	JIM	5W
05	K2ZN	559	579	NY	AL	5W
05	WA8BXN	559	599	OH	MIKE	5W
06	N5ZE	559	559	TX	LEW	5W
07	W0AV	559	559	MO	GEORGE	5W
08	WA4CMI	559	559	VA	AL	5W
09	K3IU	559	559	RI	KEN	5W
10	N0UR	559	599	MN	JIM	5W
11	N9NE	559	599	WI	TODD	100MW
12	WB9HFK	559	559	IL	MARK	5W
13	K9IUA	559	559	IA	KEVIN	5W
13	K9DC	559	559	IN	DAVE	5W
15	N1FN	559	559	CO	ET	5W
15	W9XT	559	559	WI	GARY	5W
16	W5TB	559	559	TX	DOC	5W
17	K4ADI	559	559	SC	FRANK	5W
18	N0DSP	559	559	CO	TOM	5W
18	VE3FAL	559	559	ONT	FRED	5W
19	VE6JAZ	559	559	AB	ROB	5W
21	N4ROA	559	559	VA	DAN	3W
22	KK5LD	559	559	TX	DAN	5W
22	K5ZTY	559	559	TX	BILL	5W
23	N0HRL	559	559	MN	KEN	5W
24	N4BP	559	599	FL	BOB	5W
25	N9IJ	559	559	IL	LEN	5W
26	KR5C	559	559	TX	GEORGE	5W
27	W9XU	559	559	WI	LON	5W
28	N3ZPQ	559	559	OH	FRANK	5W
30	W5YR	559	559	TX	GEORGE	5W
31	K2PQ	559	589	NJ	FRANK	5W
32	K5SR	559	559	TX	DALE	5W

33	AJ4AY	559	559	AL	JAY	5W
34	K4GT	559	559	GA	JIM	5W
36	K4BYF	559	559	FL	JACK	5W
36	K3PH	559	559	PA	BOB	5W
37	VE4WI	559	559	MB	CRAIG	5W
38	KC4D	559	459	VA	BILL	500W
40	K2TER	559	559	NY	BILL	5W
41	W5USJ	559	559	TX	CHUCK	5W
42	AF4LQ	559	559	KY	MIKE	5W
42	WS4S	559	569	TN	CONARD	5W
44	VE5RC	559	599	SK	BRUCE	5W
45	KI0II	559	559	CO	RON	1W
45	AA50	559	559	LA	VERN	5W
47	N9AW	559	599	WI	JERRY	5W
47	AG0T	559	559	ND	TODD	4W
48	K5JHP	559	559	TX	BILL	5W
49	W0CH	559	599	MO	DAVE	5W
50	K7TQ	559	559	ID	RANDY	5W
51	NK9G	559	559	WI	RICK	5W
52	W8YMO	559	559	OH	HARRY	5W
53	VA3JFF	559	559	ON	JEFF	5W
54	KB9YIG	559	579	IN	TONY	500MW
54	N3AO	559	559	PA	CARTER	5W
56	K4FB	559	559	FL	PAUL	5W
58	K8CV	559	559	MI	WALT	5W
59	AE4Y	559	559	GA	KENT	5W
0301	K5DW	559	559	TX	DON	5W
0302	KV2X	559	559	NY	TOM	5W
03	N1TP	559	559	FL	TOM	5W
04	KG4LDY	559	559	VA	JIM	5W
05	K5AIC	559	559	MS	HERB	5W
06	W6ABC	559	559	PA	JACK	5W
07	WR50	559	559	TX	DAVE	5W
08	K3ESE	559	599	MD	LLOYD	5W
08	K5TR	559	559	TX	GEO	5W
09	N2WW	559	559	CO	LARRY	5W
10	VE6EX	559	559	AB	DAN	5W
11	K5FSE	559	559	GA	JACK	5W
12	W3SMK	559	599	NY	STEVE	5W
13	WD9F	559	559	IL	WOODY	5W
14	WV9N	559	559	OH	RANDY	5W
15	KC9LC	559	559	VA	RANDY	5W
16	N6LIF	559	459	TX	MARTIN	5W
17	NM5M	559	579	TX	ERIC	5W
17	N4JIU	559	559	TX	BRUCE	5W
19	WA8VNZ	559	599	MI	MARK	5W
20	KB0LUR	559	559	CO	PAUL	5W
21	N8XE	559	559	OH	JASON	5W

23	KC2CK	559	559	NY	DON	1W
24	N9WW	559	559	IL	JIM	5W
25	WB6BWZ	559	559	GA	MATT	5W
26	WU9F	559	559	WI	TERRY	5W
27	K5DI	559	559	NM	KARL	5W
29	KB7WW	559	559	OR	ART	5W
30	N3XRV	559	599	PA	CHRIS	5W
31	W2RBA	559	589	NY	JOE	5W
32	N5WL	559	559	OK	BART	5W
32	K0FRP	559	579	CO	AL	5W
33	W2AGN	559	559	NJ	JOHN	4W
33	W9HL	559	559	IL	RANDY	5W
35	KC1FB	559	559	CT	JIM	500MW
36	W0PWE	559	579	IA	JERRY	5W
37	N5IB	559	559	LA	JIM	5W
37	AC7A	559	559	AZ	TOM	5W
38	K1KID	559	559	MA	CARL	4W
39	AA7EQ	559	559	AZ	BOB	5W
40	W0RSP	559	569	SD	ADE	4W
42	AB9CA	559	559	AL	DAVE	5W
43	AK7Y	559	559	AZ	GREG	5W
44	NV4V	559	559	KY	PETE	5W
45	W5NC	559	559	TX	ZED	5W
46	N04D	559	459	SC	KEN	5W
47	K4TJD	559	559	GA	TOM	5W
49	N0TK	559	559	CO	DAN	5W
50	NK6A	559	559	CA	DON	5W
52	WA7TQK	559	559	ID	BILL	5W
52	KI0RB	559	559	CO	VINCE	5W
53	KR0U	559	559	CO	TIM	5W
55	N5YfC	559	559	LA	WAYNE	5W
56	KN5TX	559	559	TX	GEORGE	5W
57	WB8WTU	559	559	OH	DENNIS	2W
58	KJ0C	559	559	MO	JIM	5W
59	N8VAR	559	559	OH	RON	5W
0400	W0UFO	FOX				
0400	N3BJ	FOX				

Date: Mon, 04 Nov 2002 19:53:40 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: ballardr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [139305] Re: Good design reasons to specify 12 volts min. and 13.8 max on
Ten Tec
Arognaut V

Message-ID: <3DC71694.5B0E1CBA@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

all:

SURPRISE!!!!!!

I just found out that all "Chrysler products" are now measuring how much power is being drained from the battery, BY THE CAR!!! The onboard computer that manages power, will only replace that amount of power BACK INTO THE BATTERY!! It will put anyone who is using a radio in a unique state. Get out you auxiliary battery chargers if you want to keep your battery charged. The reason is extended battery life, no over charged batteries. My son just got of a Chrysler factory training session on power management. I guess I will stay with FORD. 8-)

Cars just aren't like they used to be.

Jerry
W3CDE

Dick Ballard wrote:

>
> First of all, 13.8v is not the full charge point of a "12volt" car
> battery. 13.8v is the bottom end of the 13.8v-14.8v regulated
> alternator output voltage range with the engine running. The no load
> full charge voltage is about 12.6v several hours after removing the
> battery from charge source.
>
> With lower powered transmitters, one would expect to be able to
> operate without the engine running, at least for some reasonable
> period of time. The Argonaut can be powered back to accommodate this.
>
> And, as someone else suggested, what about emergency operation in a
> fixed location? Having a car battery standby source for the home rig
> could be quite important. In order to use a good percentage of the
> energy available in a fully charged battery, and to be able to
> tolerate some internal voltage drop in the battery and some IR drop in
> the cabling, one needs to be able to operate down to less than 12v.
>
> Recreational vehicles have sizeable "house" batteries which could be
> expected to power a transceiver such as the Argonaut. But during dry

> camping periods (no shore power), the starting point is the 12.6 volt
> number. And most RV appliances will operate down to around 10.5 volts.
> Furthermore, in an RV there are transient loads, such as a demand
> water pump at several amperes, which will constantly be jangling a
> unit as sensitive as the Argonaut.
>
> The voltage sensitive circuits, such as frequency critical
> oscillators, should be regulated at a voltage well below the minimum
> battery voltage. The power stages, where battery voltage only affects
> final power out, need not be so critically regulated. A drop in output
> power with decreasing battery voltage is tolerable; a chirp is not.
>
> Dick Ballard
> Beaverton OR
> W7AND
>

Date: Mon, 4 Nov 2002 20:27:01 -0500
From: "Russ Hines" <wb8zcc@one.net>
To: <rohre@arlut.utexas.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139306] Re: Good design reasons to specify 12 volts min. and 13.8 max on
Ten Tec Arognaut V
Message-ID: <004c01c2846a\$71900960\$4307c00a@wb8zcc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Stuart:

The Icom 730 manual specifies 13.8 VDC +/-15% (approx. 12 - 16 volt range).
Elsewhere the manual states to "make sure your battery has an output of
12-15 volts." I'd say the message is 12 VDC is the low limit.

73,
Russ Hines
WB8ZCC

----- Original Message -----

From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, November 04, 2002 2:50 PM
Subject: Re: Good design reasons to specify 12 volts min. and 13.8 max on
Ten Tec Arognaut V

> OK Folks, I said I would report back on my Kwood 450. Spec says voltage
> lower limit is 12 VOLTS, so Ten Tec is not unique in this.
> Hopefully, we can hear from the Yaesu' and Icom camps and any others.
> 72,
> Stuart K5KVH
>
>

Date: Mon, 4 Nov 2002 19:43:07 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Russ Hines" <wb8zcc@one.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
Subject: [139307] Re: Good design reasons to specify 12 volts min. and 13.8 max on
Ten Tec Arognaut V
Message-ID: <062301c2846c\$b0a457d0\$4e100a0a@rohredt2000>

Thanks Russ,
That is what we are finding for base station type radios of various makes.
12 volts DC is the lower limit, maybe by industry defacto standard
agreement.
12 to 16 volts on Icom 730. Probably true of 735 as well. Even having the
rejoinder to be sure battery is 12 volts or as much as 15 in the Icom manual
is pretty definite limit setting.

Specialized radios with built in battery tray for alkalines, or rechargeable
like the Yaesu 817 are a special case, low power (5 w) model.
73, and Thanks for your research,
Stuart K5KVH

Date: Mon, 4 Nov 2002 18:44:23 -0700
From: "Dave WR50" <dendav@dzn.com>
To: "QRPL" <qrp-l@lehigh.edu>
Subject: [139308] WR50 SS results
Message-ID: <001901c28470\$3104d8c0\$046357d1@dwinfield>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Didn't do too good in the 2 x QRP part...only worked 7 other Q stations. I tried calling CQ a few times Saturday and Sunday, but after 5 minutes of no answer or being overrun, I went back to S & P. I seemed to have the same lousy taste in frequencies as last year...

I worked Chuck very early (my first Q of the contest...honest!) on 15. I worked W5WMU Sunday morning, and he had 867 at 1709Z. As I recall from 3830, his final total was above 1,100 (from K5TR's post titled "The Real 3830"). Unreal :-D.

My finals were 211 Q x 70 sections for 29,540 in a little less than 12.5 hours. For my second running, I'm happy...:-D. Missed a contest WAS by three states, but did finish up WAS for the second year in a row, and very first time QRP. Not too bad for 4 bands with a vertical.

I'm looking forward to phone SS QRP. It'll be a first for me.

72/73 es oo,

Dave Winfield, WR50
El Paso, Texas DM61ts

FP# -109, SOC #371, ARS #996,
Zombie #793, QRPp #328, ARRL

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.410 / Virus Database: 231 - Release Date: 10/31/02

Date: Mon, 04 Nov 2002 22:15:10 -0400
From: "Pablo L. Robles" <wp4jxd@isla.net>
To: qrp-l@lehigh.edu
Subject: [139309] Re: Million Mile Braggin'
Message-ID: <3DC729AE.19C3C19D@isla.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Amen!

Congratulations Monty, my hats off to you! It takes a lot of stamina and skill on both you and the QRO guys to accomplish this. I quit 10m after CQing

for an hour at 500mw with my tired HW-9 and half G5RV, switched to my OHR QRP Classic at 5W. If I had tried a little harder with the HW9...

72,

Pablo
WP4JXD

Paul Valko wrote:

```
> ----- Original Message -----  
> From: "Monty N5FC" <n5fc@io.com>  
>  
> > K3K0, 10 Meters CW, class U QRO, North Carolina, 1191 miles (1,323,333  
> mpw)  
> > KC3M, 10 Meters CW, class A QRO, Eastern, 1381 miles (1,534,444 mpw)  
> > W2RQ, 15 Meters CW, class B QRO, Northern NJ, 1484 miles (1,648,888 mpw)  
>  
> Most Impressive. And with a C21 no less, sweet. :-)  
>  
> A lesson to us all, fellas... next time you feel compelled to post  
> (paraphrasing here)...  
>  
> "YAHOO! HAPPY DANCE!!! Just worked [insert DX callsign] on 28.005  
> while running  
> 5 watts from my [insert multi-kilobuck rig name here] to my [insert  
> giant yagi name here]  
> at [insert many feet above ground here]!!!! GO GET HIM!!!!  
>  
> Think of Monty and think twice.  
>  
> 73! =paul= W8KC  
> Collector of Ten*Tecs and Other Fine Plastics.  
> Visit the Virtual Ten*Tec Museum at http://mywebpages.comcast.net/w8kc
```

Date: Mon, 4 Nov 2002 20:23:44 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Chris Wagner" <mm1esg@compuserve.de>, <qrp-1@lehigh.edu>
Subject: [139310] Dipole radiation
Message-ID: <06a101c28472\$5d24dbb0\$4e100a0a@rohredt2000>

Chris, you need to open your ARRL Handbook to the Antennas Chapter and review. No antenna can be 100 per cent efficient. Differences between resistive losses and the radiation resistance help determine the bandwidth

of a given antenna.

A dipole has a torus shaped radiation pattern if you looked at the end of the wire. It will have more of a high angle lobe if erected less than $1/4$ wave high, but it still will radiate at right angles to the wire in any plane that cuts the wire. On the ends of course there is a null, the "hole" of the torus. Looking down on the ideal dipole, you would see lines of force (if you could see waves) much like the lines of force near a bar magnet under a sheet of paper coated with iron powder or filings. They come back in at the ends, and reach a maximum distance at the mid point of the half wave dipole.

Another way to visualize is take a sausage shaped balloon, and push your index fingers into each end of it. The long dimension represents the axis of the dipole and the balloon the radiation around it. Of course where the pattern intersects the earth under the wire there will be loss of that radiation. But if the antenna is very high, even that could reflect in phase.

The 98 per cent efficiency is over any type of terrain, and is not 100 per cent because of losses in the wire and capacitive coupling to the insulators, and other loss factors such as the feedline joints. The dipole is complete unto itself, and does not depend on the desert, lake or dirt under it.

However, as you go out 2 waves then the reflection off whatever is there can add to the dipole gain, as an in phase ground reflection. (The reflective zone far from most hams property is the Fresnel Zone, but is the most useful area for reflection to happen).

The single element antennas such as inverted L, monopole verticals, ground plane verticals, ground mounted or any vertical a quarter wave or less long, has to have something to replicate the "other half" as the dipole has. Those are the ones which have the worst time performing in the desert or tropics, if there is no RF ground or counterpoise reference for the shortened vertical.

If you live on a hill, and have a dipole at the optimum distance from the edge, your antenna effectiveness can be multiplied by the terrain advantage of antennas on elevated location. See texts by Bill Orr, W6SAI, and ON4UN's Low Band DXing as well as the L. B. Cebik, W4RNL, antenna web site, <cebik.com> Other good resources are the Force 12 Antennas web site, and the book they put out. There are many other books useful to the ham with antenna questions. In Europe there are the RSGB books such as Moxon's, and others.

If the dipole were to be erected only a few feet above the ground under it, then it becomes a Near Vertical Incidence Skywave antenna, (NVIS) with a preponderance of straight up radiation, and can be quite useful for local

area communications over territory the size of USA states.

73, Stuart K5KVH

Date: Mon, 4 Nov 2002 20:31:18 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>, <qrp-1@lehigh.edu>
Subject: [139311] The Gap Titan "Counterpoise"
Message-ID: <06a901c28473\$6bec7800\$4e100a0a@rohredt2000>

Well, Bruce, the "counterpoise" is actually a direct extension of the bottom of the vertical lower dipole half. Each side of it is made of wire, the total wire is around 30 plus feet, so each side would be about 80 inches. Part of the tubing spokes radiate as well. One part of the wire is short for 10m, and after an insulated line section, the other 30 plus foot wire circumnavigates the ends of the other rods insulated from 3 of the spokes. The wires are no. 14 ga. stranded. It is a sizeable lower component. Thus, I always suggest folks raise the antenna 6 to 8 feet on a mast at least, so you can walk under it.

72, Stuart K5KVH

The birds (Doves mainly), think they own mine. They have picked at the strands of wire to sharpen their beaks to the extent I am about to replace the wire after seven or so years in use. All species use it as a community bird roost.

Date: Mon, 4 Nov 2002 20:42:10 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Mike Yetsko" <myetsko@insydesw.com>, <qrp-1@lehigh.edu>
Subject: [139312] What happens with the Yaesu 817 Power demands
Message-ID: <06bb01c28474\$f0376470\$4e100a0a@rohredt2000>

Hi Mike and all,
this afternoon, Bob Rogers called me over to help him test a couple of rigs of his after mods. "5 watt" Yaesu 817 was one, and we set it up on a bench power supply, lab quality HP. However, we forgot to watch which mode we used, and went to full power FM. We also had the supply set at 12 volts DC. The 1.5 amps available from HP supply was not enough, and the thing current limited. The 817 went off, and required a Master Reset of the CPU to recover control functions and display. It did it again at 13.8 volts DC.

Lesson learned 817 needs full current depending on mode, when at 13.8 volts supply or even 12 volts.

72, Stuart K5KVH

Date: Mon, 4 Nov 2002 20:54:56 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@lehigh.edu>
Subject: [139313] QRP CW SS Report de WA5BDU
Message-ID: <01C28444.6F5B6B60.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

If I'd have known conditions were going to be this good, I'd have gone "all out". 10, 15, and 20 really produced and 40 was almost QRN free--even though it was raining here in Arkansas. I'd normally work some 80 also, but I had all my close in mults locked up by midnight. This was my first QRP SS in around three years.

QRP pretty much means S&P (unless you're a Bull). I think that can hurt you a bit on sections. The only AK station I heard was doing S&P, so I had minimal chance of working him. I think I made maybe 3 QSOs by CQing.

Finally found Chuck CQing on day two for my only WY station. I was really pleased and surprised overall to work 77 sections. The pins I left standing were NL, MAR and AK.

SS is kind of uplifting because you realize there are still a whole bunch of excellent CW operators out there. Skill level is high.

I took a fairly relaxed approach, got 7 hours sleep Saturday night and took an 8 hour shopping trip to Little Rock with the wife and daughter Sunday, so I guess I got in around 14 hours operating.

QSOs: 348

Sections: 77

Rig: FT-1000 at 5 watts

Antennas: KT-34A at 50 feet and 180 foot dipole / ladder line / matchbox for 40.

Log and Keyer: TR-Log

Worked around 22 QRPers and 5 Bulls.

Could work almost everyone I called, but usually didn't call weak stations unless I knew they were QRP also. Reciprocity, you know.

Apologies to you guys who missed Arkansas. Maybe I should have CQed some more.

72--Nick, WA5BDU

Date: Mon, 04 Nov 2002 22:05:37 -0500
From: John Harper AE5X <ae5x@qs1.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [139314] Re: 3XY7C 10.104 Wheehaw!
Message-ID: <000301c28478\$3751b9c0\$6501a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Disregard my last - got him last night on 30m and tonight on 80m.

Happy dancing,

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Mon, 4 Nov 2002 22:06:48 -0500
From: "David Beach" <dbeach@blvl.igs.net>
To: <qrp-l@lehigh.edu>
Subject: [139315] OT: Getting the #*\$@# connector off!
Message-ID: <000501c28478\$6443c4a0\$6401a8c0@asus>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a cable (from a pulse oximeter sensor) with a LEMO connector on it. The cable has, I think, some breaks just as it leaves the rubber strain

relief. I thought I would just shorten the cable and reattach the connector. Well, I cannot easily disassemble this beautifully machined connector!

It is marked "LEMO FGG.1B" has a 'flatted place' that looks like it was made for a wrench. I have cranked pretty hard on this without any sign of the connector easily coming apart. The strain relief is glued on quite solidly so I have not tried cutting it off to see if anything is underneath that might be the magical screw to loosen.

I have looked on the Internet for 'LEMO' and have lots of hits - all appear to be listings of cables/sensors/etc that have a LEMO connector. I have found no clues on how to take it apart.

SO, I am appealing the large and varied audience of QRP-L listers. Does anyone have familiarity with these? Any suggestions? Do I just give the thing a tremendous twist and hope it comes apart? Any comments appreciated.

As I have taken enough bandwidth already, it would probably be better to reply off list. If anyone happens to be interested in the answers, send me a note and I will send any I get directly to you off-list.

David Beach
VE3STI

Date: Mon, 4 Nov 2002 21:08:09 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@lehigh.edu>
Cc: "Win Dooley, Jr." <W5JAG@msn.com>,
"Wayne Johnson" <wb5ofn@cox-internet.com>, <TomRW5JM@aol.com>,
Subject: [139316] SideKick Kickoff----pun intended :-)
Message-ID: <000701c28478\$9537cfc0\$059b66a6@jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,
Just an update on how things are going with Fort Smith QRP Group's fund raiser the "SideKick". So far the first run is just about gone. But will still have a few left. I plan on taking some to the Pizza Bash tomorrow.

Tony Fishpool has made up a very nice page for the Fort Smith QRP kits. See the SideKick information at:
<http://www.cox-internet.com/w5jay/kits/kits.htm>

Those Britts are awesome!! Thank you Tony!

Keep those emails coming, they are going fast!

73 de jay..

Date: Mon, 4 Nov 2002 22:23:56 -0500
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "Pigs" <fpqrp-1@mpna.com>
Subject: [139317] SSCW 02 de N8IE
Message-ID: <MMEDLKDLONJOAIGICDJAKENJDHAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Had a blast! 10 and 20 meters seemed (at least here in SW Ohio) not very good this year. Both bands went long and out side of CA, not much local (east coast) heard.

Worked a few Q's with some impressive numbers, and what about W5WMU, WOW! Here's the list of Q's worked:
K8FP, K7MM, WA8ZBT, KH7YD, K4AO, KC5R, N4IR, W5WMU, WD7Z, N7IR, K1TR, K5WO, W9WI, KG5U, AA5B, W6JTI, W2CS, N5EE, N4ROA, N4TY, KC4W, N9NE

Call: N8IE
Operator(s): N8IE
Station: N8IE

Class: Single Op QRP
QTH: OH
Operating Time (hrs): 23

Summary:

Band QSOs

160: 0
80: 25
40: 157
20: 73
15: 91
10: 61

Total: 407 Sections = 79 Total Score = 64,306

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.408 / Virus Database: 230 - Release Date: 10/24/2002

Date: Mon, 4 Nov 2002 22:17:11 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [139318] Spartan Sprint
Message-ID: <01d701c28482\$37e89700\$6d74da0c@mchsi.com>

Well, I had a great time. I hope everyone else did too!!
31 Q's and 14 sections later, I guess my newly completed TT 1340 is
going to hold up. Plenty of room inside this thing for a filter or
two. (Steve I need another AAPB)

Thanks to all for the QSO's and hope you all had fun:

C U L Jerry N0JRN

Date: Mon, 4 Nov 2002 22:42:54 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [139319] Re: SSCW
Message-ID: <007801c28496\$962a2360\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

N5TR posted this to the 3830 reflector ...
This is based on raw QSO data. Numbers 11 and 12 are low power and number
14 is QRP! Tree, N6TR, who wrote the TR-log software was the op at W5WMU.

He looks like the guy Chuck has to beat....

N2IC 1419 80

W0SD 1417 80
N5RZ 1414 80
K5GN 1369 80
K6LA 1368 80
W6YX 1342 90 M/S
W9RE 1312 80
N6RO 1315 80
K5TR 1305 80
W4MR 1249 80

W4OC 1218 80 LP
K7BG 1204 78 LP
W5MX 1169 80
W5WMU 1105 79 QRP
N7FO 1092 79
W4NF 1004 80 PACKET
K07X 940 80
WX6V 926 79

Amazingly, one of the multi-single entries worked 10-more sections than were involved in the contest!!!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Tue, 05 Nov 2002 23:33:48 -0600
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-l@lehigh.edu
Subject: [139320] Re: Tales of TDA1072 1-chip RX ...
Message-ID: <ICVP4051X546523YLF74LI740ITNQP.3dc8a9bc@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi Nick:

Thanks for the great post! Boy, I've salivated about the same project, seeing a ckt or two in SPRAT. But, I'm basically a dreamer, so I haven't gotten a chip yet to try it out. Maybe if you get yours perking, that'll be my motivation.

72, Ade

Date: Tue, 5 Nov 2002 10:51:26 -0000
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139321] Koch method CW Trainer upgrade
Message-ID: <008201c284b9\$5db78680\$0100a8c0@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

A new version of this popular software is on my web site today. Aside from a couple of bug fixes, the new version includes word by word reveal of the Common Words file and the option to have the Morse sound as though it is being sent on a straight key.

Follow the link below to download the latest version, which is again free!

72/73s
Ray Goff, G4FON

www.g4fon.co.uk

Date: Tue, 05 Nov 2002 23:27:20 -0600
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-l@lehigh.edu
Subject: [139322] Re: 3XY7C 10.104 Wheehaw!
Message-ID: <62GEFELI5YLH071V65USIC42BNL73Q.3dc8a838@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi John: Hang in there and keep trying. I guess you're using the tactic of trying to locate the stn he's just responded to so you're right on his rx freq. But that doesn't work so well above 30m because of skip etc. Given the fact that the Sierra has RIT, split is not much of a problem. But the constant need to reset the rx freq on a RIT system (vs XIT real split operation) is a real pain! But it sure beats the way I worked F00AAA on Clipperton. I was using my old Viking 3x5 w. d.c. txcvr and no RIT, except for "wrist driven RIT", i.e., sliding up to call, and sliding back down to hear! That was on 20m with about 3w to a 20ft piece of twinlead slung out on top of some very

wet 6ft bushes. My horizontal bearing must have be precisely on!

Hang in there and keep calling!

72, Ade

Date: Mon, 4 Nov 2002 22:05:09 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w6toy@erols.com'" <w6toy@erols.com>,
"Low Power Amateur Radio Discussion (E-mail)" <qrp-1@lehigh.edu>
Subject: [139323] RE: Tales of TDA1072 1-chip RX ...
Message-ID: <01C2844E.3E13DD80.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks Bruce. That's the September, 1986 QST. Interesting that he used an FM receiver chip to make a CW receiver. I thought using an AM chip was out there.

The TDA1072 woluld also need a separate audio amplifier.

72--Nick, WA5BDU

On Monday, November 04, 2002 5:44 AM, Bruce Muscolino
[SMTP:w6toy@erols.com] wrote:
> If you are really interested in one chip receiver designs, I call your
> attention to the Receiver designed by Bruce Willams and written up in
> QST. Actually he used two chips, one for the receiver and one for the
> audio!
>
> 73

Date: Tue, 5 Nov 2002 03:38:35 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [139324] UPDATE: Experimenter's DDS Signal Generator Kit
Message-ID: <003601c284bf\$e136a530\$0d0df4d8@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

The PC Boards are in and I put one together tonight to make sure they work. It fired right up perfect the first time! The PC Boards came out great. So, without further delay, The Flood Gates are open and I'm taking orders. To order a kit, go to:

http://home.earthlink.net/~kg6cyn/DDS_Project.htm

Follow the directions at the bottom of the page. Do not reply to this e-mail, please read the ordering instructions and follow them. This is so that I can keep things organized and also keep my sanity, Hi!

There are pictures of the new boards on the site. Also, I've split up the files for download into 4 files to make downloading easier.

Take care and thanks for the bandwidth...

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Tue, 5 Nov 2002 06:11:13 -0700
From: "Steve/n0tu" <n0tu@codenet.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [139325] SP FUN
Message-ID: <002201c284cc\$d1d2c080\$6a211d82@agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great Sprint! Ran 20m first hour until it slowed then 40m seemed to run of time while still hearing stations. Amazed myself at racking up 60Qs. I think my sloper is working!

Sure some loud sigs last night! Also a kick to hear the MWers W0HXS & N2CQ and several 1-Ws others I missed - Excellent work folks!! Tks to all who turned out! FUN Stuff!
Steve/n0tu

Date: Mon, 04 Nov 2002 22:39:11 -0600
From: Ted Kell <tedkell@ev1.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [139326] Nor'Easter Problems
Message-ID: <ONGAA55YUTXLJQKIE0JBAHFB6FDKIYT.3dc74b6f@default>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

I finally got my Nor'Easter together the other night. Plugging it in and going through the test procedure, I found that I could squeeze and spread the toroid turns all I wanted, but it had no effect. Then I found that pin 1 of U6 was hard on at about 15 volts. Checking around the circuit, I found that the only voltages that were not generally what the schematic specified was the 2.54 volts specified at Q1. It is about 1.68 volts. I checked everything I could see and reheated many of the solder joints, but nothing changed.

My question, to those that understand such things, is would it be reasonable to suspect that Q1 was defective? If not, what should I check to try and isolate the problem?

The behaviour of the radio is interesting. When I add an antenna and phones and listen, I get good reception for the first 1-2 hundred KHz and then after that I seem to find one station that seems to spread widely across the band. A very wide signal, hundreds of KHz. It seems to be picking up some signals and sounds nice for those it can hear, but once the frequency is greater than about 6.200 MHz, things really go to pot in a hurry.

If someone has an idea, I would very much appreciate your suggestions.

Thanks

Ted
N3Ted

Date: Tue, 5 Nov 2002 08:33:57 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [139327] Re: SP FUN
Message-ID: <000f01c284d0\$00b08e70\$8d546fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe a sign of the times. When I first tried my SW-40 in a Spartan Sprint it seemed like most of the stations were 5 watts. Last night 5 watters were decidedly in the minority among the stations I worked. Majority heard were 2 watt, 1 watt and lower power stations.

Wouldn't it be great if all the operators in every contest were as laid back and as patient as in the SP!

73,
jim-
KG4LDY

Date: Tue, 5 Nov 2002 06:33:45 GMT
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [139328] OT... typical joel
Message-ID: <20021104.223408.530.81110@webmail1.wlv.unttd.com>

Forgive me Mac, for I step onto ur turf...another one of my favorite guinies has died... unlike the others he did not die while I held her but seeing that she would linger I wrapped him in a blanket and sought the services of a mini sledge hammer...

From the lacak of movement and other body language I thinik she died before the first blow was struck and I kneaux she never knew what hit her... not a drop of blood, or a cry of pain... just limp, limp, limp...

It s been a coupla days and I m crying still.

U kneaux I would like to understand these things meaux... course my catholic up bringing says well u don t have the training to understand these things. .. and yet I wonder... sorrow is said to bring wisdom or knowledge more than laughter... and letting geaux, which is what this is, letting geaux of some good friends, seems to be the hardest to understand...

The way ah figures things... God... must fell sad each time he lets a soul come down to earth knowing some will not come home, yet he lets them geaux... that must take lots of love and understanding... and it geaux s on still...

She was a bright little guinie and seeing what she was fading and all, I spent meaux time with her the last week... she was quite a character and had a great outlook on life.... just when I thought she was gonna make it, she gave up...and was waiting for the mercy death would bring her.

Which brings me to the Angel of Death...gruesome as it sounds and folk make it out to be... this angel must be quite wonderful... it would explain the last easy and full breath critters and folk usually take before dieing....Now an t neaux critter or folk gonna relax with the grim reaper aiming his cicle at them... neaux this angel must be a most loving angel and bringss hope and a sense of impending joy for so many folk to welcome him so....

But then I an t ban trained, what does ah kneaux....I tell u this though, an t much consolation playing radio... so ah guess radio is for the meaux joyful moments in life.. A time to relax and unwind, not a time to meditate on serious matters of consequence...

Thair ah thanks u for listening and halping me let geaux...

Ke1la joel
in maine
cold, sneaux
and one guinie less,,,,,

KE1LA JOEL
IN MAINE
FREEZIN

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Date: Tue, 05 Nov 2002 09:03:11 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [139329] Re: What happens with the Yaesu 817 Power demands
Message-ID: <5.1.1.6.1.20021105090041.00a6a170@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Stuart,

My '817 hasn't gotten -that- twisted up in its shorts over low voltage, but when I put alkalines in the battery pack and tried to transmit CW at 2.5 watts it shut itself off.

You're right though - it won't play well with a stingy current source.

Dave

At 08:42 PM 11/4/2002 -0600, you wrote:

>Hi Mike and all,

>this afternoon, Bob Rogers called me over to help him test a couple of rigs
>of his after mods. "5 watt" Yaesu 817 was one, and we set it up on a bench
>power supply, lab quality HP. However, we forgot to watch which mode we
>used, and went to full power FM. We also had the supply set at 12 volts DC.
>The 1.5 amps available from HP supply was not enough, and the thing current
>limited. The 817 went off, and required a Master Reset of the CPU to
>recover control functions and display. It did it again at 13.8 volts DC.
>

>Lesson learned 817 needs full current depending on mode, when at 13.8 volts
>supply or even 12 volts.

>72, Stuart K5KVH

A Real Programmer can write FORTRAN in any language.

Dave Hinerman

WD8CIV@worldnet.att.net

Date: Tue, 05 Nov 2002 09:11:04 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [139330] RE: Tales of TDA1072 1-chip RX ...

Message-ID: <5.1.1.6.1.20021105090439.00a53bf0@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Nick,

It's not so "out there" when you look at the building blocks inside the chip. Amplifiers, mixers, and oscillators mostly - just like we use for any receiver.

In an FM chip, the main trick is to bypass the limiting amplifiers. And the quadrature detector that demodulates the FM is actually just another mixer with both inputs connected to the same signal source, just one is delayed with a phase-shift circuit. If you can get at both mixer inputs (some chips connect the output of the limiting amp directly to one mixer input directly), that's your BFO.

Lots of FM chips available today have RSSI (Received Signal Strength Indicator, a.k.a S-meter) functions built in, too, that rely on the limiting amps. So with the internal amp chain driving the RSSI and an

external amp (and narrow filters) for the "regular" signal, you get a simple dual-conversion receiver.

Dave

At 10:05 PM 11/4/2002 -0600, you wrote:

>Thanks Bruce. That's the September, 1986 QST. Interesting that he used an
>FM receiver chip to make a CW receiver. I thought using an AM chip was out
>there.

>

>The TDA1072 would also need a separate audio amplifier.

>

>72--Nick, WA5BDU

>

>On Monday, November 04, 2002 5:44 AM, Bruce Muscolino

>[SMTP:w6toy@erols.com] wrote:

> > If you are really interested in one chip receiver designs, I call your
> > attention to the Receiver designed by Bruce Willams and written up in
> > QST. Actually he used two chips, one for the receiver and one for the
> > audio!

> >

> > 73

A Real Programmer can write FORTRAN in any language.

Dave Hinerman

WD8CIV@worldnet.att.net

Date: Mon, 4 Nov 2002 23:22:48 -0800

From: "Doug Hendricks" <ki6ds@dospalos.org>

To: "qrp-1" <qrp-1@lehigh.edu>

Subject: [139331] First 100 SideKick Receiver Kits sell out in one day: more coming

Message-ID: <008301c2849c\$272891d0\$1fdbd7a8@DOUG>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, JayBob just called me and it's 11:15 here, that means its 1:15 AM in Arkansas. He has sold the first run of SideKick 40 Meter Receiver Kits out in 1 DAY!!!!!!!!!!!!!! Wow, 100 kits. He asked, and I promised that I can get him another 100 by next Monday. That means a lot of fast kitting this week.

He is still taking orders, and there should not be any interruption in shipping as it will take a couple of days for your checks to get there, and he has to process all those orders, grin (Jim Cates knows the feeling). So, the message is send JayBob an email to reserve a SideKick kit for \$34 US, \$36 DX. He'll send you a confirmation message back with all the details on where to send the order. Remember, he is only doing 300 of these, and there will not be any additional runs. 72, Doug, KI6DS

Date: Tue, 5 Nov 2002 07:22:03 -0700
From: "Steve/n0tu" <n0tu@codenet.net>
To: "QRP-L" <QRP-L@lehigh.edu>, "jerry brown" <jmbrown@edge.net>
Subject: [139332] Re: SP FUN
Message-ID: <000901c284d8\$812d0990\$6a211d82@agilent.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jerry,
Guess I messed up and logged u as 5W when it SHOULD have been 500Mw!!
Tks for the correction!! BTW - GREAT work w/RM - 32 Qs WOW Thats more than I
ran on 20m with 5W, VFO and S&Ping! SUPER job OB!!! BTW What's ur antler?
Steve/n0tu

----- Original Message -----
From: "jerry brown" <jmbrown@edge.net>
To: <n0tu@codenet.net>
Sent: Tuesday, November 05, 2002 6:17 AM
Subject: Re: SP FUN

> Steve,
>
> I was Rock Bound with Rock Mite on 20 with 500mw...
>
> 32 Q's including 2 in HI....close in worked 2 in Ohio....
> Wish they would break out the final results with single band
> and QRPP categories...might get to win something them!
>
> Fun fun fun,
>
> Jerry N4EO
> Columbia, TN
> -----Original Message-----
> From: Steve/n0tu <n0tu@codenet.net>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: Tuesday, November 05, 2002 7:13 AM
> Subject: SP FUN
>
>
> >Great Sprint! Ran 20m first hour until it slowed then 40m seemed to run
of
> >time while still hearing stantions.Amazed myself at racking up 60Qs. I
> think
> >my sloper is working!
> >
> >Sure some loud sigs last night! Also a kick to hear the MWers WOHXS &
N2CQ
> >and several 1-Ws others I missed - Excellent work folks!! Tks to all who
> >turned out! FUN Stuff!
> >Steve/n0tu
> >
>
>

Date: Tue, 05 Nov 2002 14:38:35 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Cc: myetsko@insydesw.com
Subject: [139333] Re: Looking for a wierd problem with a part
Message-ID: <F26fJU71pROHDaBLW2Z000050a6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Mike Yetsko (myetsko@insydesw.com) enquires:

>I recently 'copied' a circuit that used a 14017 part. Unfortunately, it
won't
>work.

>Anyone know where I can get datasheets on the 14017 part that would
>let me try to figure out if the circuit is using a weird anomaly of the
>chip that I may have to get it from just one vendor?

>Mike

Here's one:

<http://www.onsemi.com/pub/Collateral/MC14017B-D.PDF>

Brad

Surf the Web without missing calls! Get MSN Broadband.
<http://resourcecenter.msn.com/access/plans/freeactivation.asp>

Date: Tue, 5 Nov 2002 09:50:14 -0500
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [139334] Digest 2730 comment
Message-ID: <6579C6377F475547985F0B3E426E16260204DF14@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

HI

In Digest 2730 of yesterday a comment was made.

>The Argo V is totally different animal from your HT on 7.6 volts. It is
>easier to design a low power HT to work over wide voltage range than a =
20 or
>50 watt radio. Even the basic K2 which was optimally designed for a
>combination of portable and home jobs, does not do 20 watts unless you =
add
>the amplifier.
>

Actually I think the K2 basic is real close to the 20 output range. =
Well above the
5 watts of a FT817 at least. I believe I have heard of some K2's =
reaching the 20 W
output, most probably at 15 max. Still a remarkable feat for a rig with =
such low=20
idle current needs. As one who just purchased a K2, I am still learning =
all of its
capabilites.

Marty Hartwell kd8bj
mehartwell@att.com
AT&T Columbus Ohio
PH:614-501-2503

Date: Tue, 5 Nov 2002 09:08:48 -0800
From: "=?iso-8859-1?B?TthCUw==?=" <n0bs@msn.com>
To: <qrp-l@lehigh.edu>
Subject: [139335] FS:Index Labs QRP+ with Companion
Message-ID: <NFBBKGFGLNKCKOKBBOCAEBIDAAA.n0bs@msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Still have the QRP+ with the matching Companion PS and
tuner for sale. Unit is in great shape cosmetically
and electrically. It has a new backup battery for
the memory and a new battery in the Companion.
Just trading toys here, so this rig is up for sale.
\$395 or B/O. I can send digital photos to anyone
interested in seeing them.
Thanks, Tom Moll N0BS

Date: Tue, 05 Nov 2002 07:19:52 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: ballardr@att.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139336] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc
Message-ID: <5.1.1.6.0.20021105071741.00b59138@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:57 AM 11/1/2002 -0800, Dick Ballard wrote:

>I too am disappointed in the 12v lower limit of the Argonaut V. Many
>12 volt systems are designed to run down to around 10.5 -11.5 volts
>which is a more realistic lead acid battery drop out level.
>
>
>Dick Ballard
>Beaverton OR

>W7AND

>
>
>

I will post a long trip report later. I'm now going through 800 emails.

After the contest ended on Sunday I took the Argonaut V and ran the supply voltage down to just less than 10V before the receiver dropped out. And at 10V and on 20M the WM-2 showed power out when I keyed the rig. I will later today run a test with another receiver to see if there is a chirp or other bad news.

dit dit

Chuck Adams, K7Q0

<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Tue, 5 Nov 2002 10:20:53 -0500 (EST)

From: Chris Cartwright <ccart@phideaux.com>

To: Doug Hendricks <ki6ds@dospalos.org>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [139337] Re: First 100 SideKick Receiver Kits sell out in one day: more coming

Message-ID: <Pine.LNX.4.33.0211051006550.3945-100000@dns.phideaux.com.>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow!, how things change. I was rereading the first three issues of QRPP (timeless stuff) and Doug was awed that the first 100 Norcal 40's sold out in just two months... Then again, the entire QRP-L membership was listed in two pages :) Looking back at what WA6GER and KI6DS wrote back then kinda makes me think they knew something the rest of us didn't. It's coming up on ten years, Doug and Jim, take a "cyber bow". Thank you both, for all the times I forgot to say it.

72

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --

-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 05 Nov 2002 07:37:51 -0800
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: n6wg@earthlink.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [139338] Re: Sweepstakes Logging Question
Message-ID: <5.1.1.6.0.20021105073733.00b6b728@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:02 PM 11/3/2002 -0800, Bob Tellefsen wrote:
>I've been logging by hand on a lined tablet. No problem to type this
>up in a text file.
>
>Does anyone know of a program that will let you input text and
>generate the log in Cabrillo format?
>
>Sure seems like an opportunity here for someone.
>73, Bob N6WG

I have one under LINUX and will post it to the group later today.

dit dit

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Tue, 5 Nov 2002 11:09:28 -0500
From: "NZ8J" <nz8j@woh.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [139339] MM-2 Manual Found!
Message-ID: <00d801c284e5\$b8707470\$6400a8c0@NZ8J>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who offered to send a copy of the MM-2 manual... This list
sure produces results...
thanks again to all

Tim
Nz8J

Date: Tue, 05 Nov 2002 09:16:25 -0700
From: Wayne Glover WE7G <wayneg@inovion.com>
To: qrp-1@lehigh.edu
Subject: [139340] FS shack cleaning
Message-ID: <3DC7EED9.B9E05589@inovion.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRP+ - sn #225 with original manual and power cable. New '94 with
software upgrade in '95 - a "nine" cosmetically. [the fuse holder is
cracked] but "ten" electrically. Including two "unlock" chips to allow
out of band xmit. [see recent list thread - new band ready?] Fresh
lithium battery installed. asking \$250.

Poqet PC Plus - 2 batteries, DOS 5.0, 2400 modem, 2 MB and 16 MB pc
cards with CT 626 installed, rare serial "dongle" cable, battery charger
and power supply. \$85

SCM parallel port PC flash card reader powered off keyboard with install
disk - \$25

Ten Tec 1330 transceiver. Built by one of the 'builders" on K2 list.
Works great. Don't use it enough. Needs a good home.

Vibroplex standard Iambic paddle - circa 1986 [I bought it new] serial #
52013 New price \$149.95 asking \$90

Iomega Zip drive with cable, wall wart power supply and 14 disks - how
about \$50 plus \$10 bucks apiece for the disks or \$190. Sorry I can't
find the install disk.

Radios Shack SWR/Power meter 20W/200W/2000W - \$15

```
--
><><><><><><><><><><><><><>
72-73-00
(W)(O)(J)(R)(M)
Rob Matherly - Plano, Iowa - EN30ls
http://www.qsl.net/w0jrm
AIM-w0jrm; ICQ-114690148; Y!-w0jrm
```

ARRL -- FPqrp -330 -- IA QRP #143
SOC #497 -- QRPp-I #19

Date: Tue, 5 Nov 2002 09:10:38 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [139342] Sweepstakes
Message-ID: <006701c284ee\$4b652d40\$5c3ccd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's more of us running QRP and entering SS than I thought!
.... here's the list from 3830-reflector and this does not include the W5WMU
score of 1105 raw QSO's and 79 sections.....
plus the eagerly awaited Chuck score!

Call	QSOs	Secs	hr	Score	Club
Single Op QRP					
K7UP	881	79	24	139,198	
K7MM	787	78	24	122,722	
KG5U	772	79	22	121,976	TDXS
K4RO	766	79	22	121,028	TCG
W9WI	762	79	22	120,396	TCG
N7OU	757	77	24	116,578	WVDXC
N2CU	725	79	24	114,550	WNYDXA
K5WO	729	77	24	112,266	NTCC
K1AM	678	80	24	108,400	YCCC
K0RI	674	78	20	105,144	
K7RE	673	77	24	103,642	
K0PC	669	77	22	103,026	MWA
N9NE	636	80	24	101,760	SMC
W2CS	635	77	19	97,790	PVRC
K4MX	627	77	21	96,558	
N0SS	626	77	19	96,404	
VE3XAX	603	79	24	95,274	CCO
N9CIQ	591	77	14	91,014	MWA
N0SXX	580	76	22	88,160	Grand Mesa
N2WK	490	76	17	74,480	RDXA
WA4PGM(KYLE)	428	77	13	65,912	
N8IE	407	79	23	64,306	
W4PM	416	77	11	64,064	
N7RVD	393	70	18	55,020	
NK6A	327	66	11	43,164	southern calif dx cl

KX7L	295	73	11	43,070	
AG0T	277	67	22	37,118	
WR50	211	70	12	29,540	
N2CQ	213	64	6	27,264	FRC
K9IUA	206	66	12	27,192	
K7GT(@WA6YHJ)	202	66	6	26,664	NCCC
W6RCL	200	66		26,268	
WZ2T	200	65	10	26,000	YCCC
WW5X	146	64	6	18,688	
KI0II	144	62	10	17,856	Grand Mesa
AF4PP	146	59	7	17,228	
WA1Z	135	55		14,850	YCCC
WX3M	112	45		10,080	MRRC
N5IA	27	25	1	1,350	
K6MMC	19	17	6	646	

If you worked SS-CW, considering posting your results to the 3830-reflector
..... just click on the link:

<http://www.hornucopia.com/3830score/>

There is a menu driven form that takes about 1-minute to fill out, plus room
for comments.

If you are interesting in checking the scores on the 3830 reflector, you can
find them ALL at :

http://lists.contesting.com/_3830/2002-November/author.html

Results are compiled by month for most contests... and if there are enough
QRP-er's interested, we could probably get Bruce Horn (owner of hornucopia)
to make up a template for FYBO and QRPTTF and some of the other QRP
contests, so that the results would be posted to the entire contesting
community!!!! Talk about your 15 minutes of fame!

~~~~~

Alan Kaul, W6RCL, LaCanada, CA

[w6rcl@amsat.org](mailto:w6rcl@amsat.org)

<http://home.att.net/~alan.kaul/index.html>

-----

Date: Tue, 5 Nov 2002 11:19:37 -0600

From: Todd Enders <[enders@bolshoi.cc.misu.nodak.edu](mailto:enders@bolshoi.cc.misu.nodak.edu)>

To: "Low Power Amateur Radio Discussion" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>

Subject: [139343] SS -- The "Official", \*LONG\* Results, etc... :-)

Message-ID: <200211051719.AA00602@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain

Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

After a good night's sleep, I went back and got a real look at the log. Had it a bit too optimistic last night. :-) So, here's the "official" tally:

Call: AG0T

Class: Single Op QRP

QTH: ND

Operating Time (hrs): 22.5

Summary:

Band QSOs

```
-----  
160:    0  
 80:   73  
 40:    5  
 20:   32  
 15:  127  
 10:   40  
-----
```

Total: 277 Sections = 67 Total Score = 37,118

Still rather amazed at what I did on 80m. Worked the following sections down there:

```
1    CT  
2    WNY  
3    EPA MDC WPA  
4    TN VA  
5    OK NTX STX  
6    EB ORG SB SCV SDG SV  
7    EWA ID MT NV UT  
8    MI OH  
9    IL IN WI  
0    CO IA KS MN MO SD  
VE    ON BC
```

That's 27 SPC, including several new states on 80. :-) My 80m QRP WAS count is now at 28 worked. :-) Over halfway there! :-)

Biggest downer of the evening was trying to work a guy for a section that I ended up missing completely. Most details will be kept under the hat, but it was aggravating to have him start his exchange, stop after the first digit of the S/N, and send



"QSO B4". He's *\*not\** in my log, and there isn't even a call close, nor another in that section to indicate that I'd busted his call earlier. Strangely enough, this guy did the same thing to me in the NAQP a couple years ago, and given the limited setup I had at the time, plus the paltry number of QSOs in my log, I *\*know\** I didn't work him before. Not quite sure what up with that. To the best of my knowledge, he doesn't know me from Adam, nor do I know him. However, this makes *\*twice\** in a contest he's decided I was a dupe and not given me the QSO. FWIW, he's a QRO big-gun, so the odds he busted my call on two separate occasions are rather low, methinks. :-/

Of course, the best "revenge" to those kind of tactics is to send in my log. He cost me a mult, and I'll shave a few points off his final total. :-) Personally, I could care less who you are, or where you are -- a QSO is a QSO in a contest, and if you're not already in the log, I'm *\*more\** than happy to work you! :-) Shoot, I'm more than happy to work anyone at *\*any\** time! :-) I was *\*thrilled\** to hear more than one excited op on the other end ask me for my section again, and then say "FB TU 4 ND". :-) One of the things that keeps me in this contest business.

Meanwhile, I've been Monday morning quarterbacking the effort. Biggest drag on the final score was spending *\*way\** too much time on *\*way\** too many stations. The lack of sleep killed my copy ability on Saturday. Comparing the first 10 hours to the last 10, I just about *\*doubled\** the number of QSOs in the last 10 hours, 92 to 167. Even with that, I *\*still\** spent way too much time on stations on Sunday. Best full hour rate was 25/hr, but I had an hour with 13 and another with 15 on Sunday.

To illustrate, here's the rate breakdown in 15 min. intervals:

| Q/15m | freq.               |
|-------|---------------------|
| 1     | 11 XXXXXXXXXXXX     |
| 2     | 16 XXXXXXXXXXXXXXXX |
| 3     | 13 XXXXXXXXXXXXXXXX |
| 4     | 11 XXXXXXXXXXXX     |
| 5     | 14 XXXXXXXXXXXXXXXX |
| 6     | 7 XXXXXXXX          |
| 7     | 2 XX                |

No doubt some noise in the low end of the range due to timing of breaks, etc. *\*Still\**, it's obvious that I was wasting a *\*lot\** of time to work a station on more than a few occasions.

On the other hand, I made quite a sprint at the very end, working 5 in 7 minutes. :-) That would have been 10+ if I could

have kept it up for 15 min, and made for a peak rate of 40+/hr.,  
\*if\* I could have sustained it. :-)

In the end, I bettered my last SS effort by a factor of 28.6x. :-)  
Of course, I was running 16x the power this time around. :-) As  
far as station improvements go, a better antenna for 10m would  
have helped, I think. A lot of people just couldn't hear me there.  
I will have to take a look at a model of the setup and see what the  
radiation pattern is. I suspect the take-off angle is pretty high, and  
not putting the RF where it needed to go. Probably should have  
spent more time crusing the fertile grounds of 40 and 20m, too.

Oh well, I did OK. Had set a goal of breaking the 60 section  
mark -- got that. Also wanted to get MT -- got that. Had fun? You  
bet! :-)

One final thought -- where \*were\* the VE4s, VE5s, and VE6s?  
Didn't run into a single one calling CQ. Heard a few working S&P.  
Could have used them! :-)

Anyhow, enough of that for \*this\* edition of Sweepstakes! :-)  
I'll learn from it, and should hopefully see better results again next  
year. :-) Going to be hard to beat that 28.6x improvement in my  
score over my previous SS effort, though. :-)

72/73,

Todd, AG0T

-----  
Date: Tue, 5 Nov 2002 10:22:31 -0700  
From: "" <markb@abq.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139344] Re: The Gap Titan  
Message-ID: <b35b4e58583a48cb97416a07bcd023d5.markb@abq.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

<snippage of counterpoise stuff>

> The birds (Doves mainly), think they own mine=2E =20  
=2E=2E=2E  
> All species use it as a community bird roost=2E

I've read that slipping a loose piece of tubing or sleeving over the wire or tubing they like to roost on will take care of that=2E The first few times they try should be pretty amusing=2E

Mark K5LXP  
Albuquerque, NM  
k5lxp@arrl=2Enet

-----  
Date: Tue, 5 Nov 2002 11:26:16 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-l@lehigh.edu>  
Subject: [139345] Fox - Winter Fox Hunt Teams.  
Message-ID: <Pine.LNX.4.33.0211051123280.14487-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...here's the Teams lineup as of today, November 5th...you have until the beginning of the second hunt to enter a Team...good luck in the second hunt!

Burbank Wrecking Crew -

Michael - K6MMC  
Todd - AG0T  
Don - KC2CK  
Woody - WD9F  
Trev - KG6CYN

Cheeseheads -

Jerry - N9AW  
Jim - WA9TZE  
Lon - W9XU  
Rick - NK9G  
Glenn - WE9K

NE-TX Tornados -

Chuck - W5USJ  
Bill - K5JHP  
Don - K5DW  
Doc - W5TB

p-Shooters -

Chuck - K7QO  
Gary - NQ7T  
Jim - KC1FB  
Wayne - W5KDJ

George - W5YR

Tony - KB9YIG

Raiders of the Lost RF -

Swamp Rats -

Dan - VE6EZ

Larry - N2WW

Earl - VA6RF

ET - N1FN

Fred - VE3FAL

Paul - K4FB

Robert - VE6JAZ

Doc - K0EVZ

Bruce - VE5RC

Tom - N1TP

K1 K9s -

Cajun Thunder -

Lloyd - K3ESE

Wayne - K5E0A

John - K8HJ

Jim - N5IB

Ralph - KD1R

Vern - AA50

Joe - W2RBA

Wayne - N5YFC

Alan - N3BJ

Tom - AC5JH

Great Lakers -

Underdogs -

Mark - K2QO

Dan - N4ROA

Tom - KV2X

Dave - W0CH

Al - K2ZN

Ron - KI0II

Bill - K2TER

Randy - K7TQ

Jeff - VA3JFF

Art - KB7WW

Aluminum Kings -

Dust Devils -

Bob - N4BP

George - KR5C

Jim - N0UR

Martin - N6LIF

Al - K0FRP

Eric - NM5M

?

Dale - K5SR

?

Lew - N5ZE

...any more Teams and info/corrections for the present lineup please?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -

- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

-----  
Date: Tue, 5 Nov 2002 12:54:46 -0500  
From: "George Osier" <gosier@twcnny.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [139346] W40C QSL status .....  
Message-ID: <001301c284f4\$6e7f0520\$a634342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Talked to Don on the phone and said to send him the info and that he would confirm SC for me ..... :)

Tried this yet?

W40C Don Crain 5 Green Acres Drive Boiling Springs SC 864-578-6824  
W40C@aol.com

Thanks for the info from Mike !!!!

73s

George Osier , N2JNZ / QRP

-----  
Date: Tue, 05 Nov 2002 12:52:31 -0500  
From: Chuck Ludinsky <cjl@mitre.org>  
To: neqrp@jonal.net, qrp-l@lehigh.edu  
Subject: [139347] Final Scores for QRP Afield  
Message-ID: <3DC8055F.7990F581@mitre.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Here are the final scores for QRP Afield 2002 (only a few minor changes from those posted earlier -- such as getting Dave Benson's call correct -- guess he'll always be NN1G).

Thanks to everyone who participated, and especially to those who submitted scores and/or operated the NE QRP club station, WQ1RP. Hope everyone had fun.

Scores and comments will be posted soon to the NE QRP web page  
([www.qsl.net/wq1rp](http://www.qsl.net/wq1rp)).

Thanks, again, and 72.  
Chuck/K1CL

-----

| Call   | QSOs | SPCs | Class | Total |
|--------|------|------|-------|-------|
| K0ZK   | 95   | 56   | 10    | 53200 |
| W0UFO  | 72   | 44   | 10    | 31680 |
| WQ6RP  | 59   | 37   | 10    | 21830 |
| KE1L   | 58   | 35   | 10    | 20300 |
| WD7Y   | 57   | 32   | 10    | 18240 |
| KF2EW  | 67   | 26   | 10    | 17420 |
| W2AGN  | 64   | 27   | 10    | 17280 |
| W5KDJ  | 74   | 42   | 5     | 15540 |
| K1SWR  | 49   | 31   | 10    | 15190 |
| NF0R   | 50   | 22   | 10    | 11000 |
| W1FMR  | 37   | 26   | 10    | 9620  |
| N7CEE  | 35   | 26   | 10    | 9100  |
| K8ddb  | 35   | 25   | 10    | 8750  |
| WD8CRT | 35   | 22   | 10    | 7700  |
| NK0E   | 36   | 19   | 10    | 6840  |
| N3AO   | 39   | 17   | 10    | 6630  |
| K0UU   | 31   | 19   | 10    | 5890  |
| VE3KQN | 26   | 21   | 10    | 5460  |
| W1PID  | 23   | 17   | 10    | 3910  |
| K1CL   | 24   | 16   | 10    | 3840  |
| KI0II  | 18   | 15   | 10    | 2400  |
| K6III  | 14   | 12   | 5     | 840   |
| N1EI   | 14   | 11   | 5     | 770   |
| W7TF   | 9    | 5    | 10    | 450   |
| N1JEO  | 8    | 5    | 10    | 400   |
| NK6A   | 10   | 8    | 5     | 400   |
| AB2CD  | 11   | 6    | 5     | 330   |
| WB1HBE | 8    | 7    | 5     | 280   |
| KD1YV  | 6    | 3    | 10    | 180   |
| AB1AV  | 4    | 2    | 5     | 40    |
| K5QLF  | 1    | 1    | 5     | 5     |

-----

Date: Tue, 5 Nov 2002 12:58:33 -0500

From: "George Osier" <gosier@twcnny.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [139348] W40C QSL status .....  
Message-ID: <002101c284f4\$f4fcf3a0\$aa634342@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Talked to Don on the phone and said to send him the info and that he would confirm SC for me ..... :)

(SNIP)

Tried this yet?

W40C Don Crain 5 Green Acres Drive Boiling Springs SC 864-578-6824  
W40C@aol.com

(SNIP)

Thanks for the info from Mike , WB5YJX and also from Walter , AG5P !!!!!

73s

George Osier , N2JNZ / QRP

-----  
Date: Tue, 5 Nov 2002 12:58:38 -0500 (EST)  
From: wb0wao@hotmail.com (Dennis Ponsness)  
To: w0jrm@arrl.net (Rob Matherly)  
Cc: fpqrp-l@fpqrp.com, soc@mailman.qth.net, qrp-l@lehigh.edu  
Subject: [139349] Re: [fpqrp] It's Election Day (In the US anyway)  
Message-ID: <12515-3DC806CE-3593@storefull-2151.public.lawson.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Vote Early, Vote Often.....

72 es oo

Dennis - WB0WAO

NJQRP #329  
FPQRP #-347  
SOC  
#499  
FISTS # 9299  
GACW #622  
ARS #1363

-----  
Date: Tue, 05 Nov 2002 13:03:50 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [139350] KITS: Table Tob Nor'easter  
Message-ID: <3.0.6.32.20021105130350.007b5640@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The big brother to the pocket-sized NorCal Nor'ester is coming along. The control program is almost done, just have to add the user programmable station memory feature. Should be ready to take firm orders for the kit soon and hopefully have them out in time to put under the tree. For the latest info and pictures, go to <http://www.qsl.net/kd1jv/ttswr.HTM> Check out the neat little wood box I made to put the radio in..

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 05 Nov 2002 12:56:27 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [139351] Spartin Sprint  
Message-ID: <3.0.6.32.20021105125627.007bf100@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

SP is my favorite contest, as the exchange is as simple as possible. Not like SS, which takes way too much work :-)



20M is pretty much dead by 9 PM EDT this time of year on the east coast, so had to go down to 40. Didn't hear much activity, so started calling CQ and scared up a little better than half a dozen Q's. Signals were pretty weak on average, almost ESP in some cases. But then, my winter QTH at the shop here is marginal at best, Seab is still amazed I get out at all from this hole and with the "spider web" antenna on the roof, the apex of which is only 20 feet off the ground! Still, managed to get as far as FL, GA and AR, not bad for a NVIS antenna :-)

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Tue, 05 Nov 2002 12:15:54 -0600  
From: Dave Hottell <hottell@gulftel.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139352] OT: Ocean State Electronics  
Message-ID: <3.0.6.32.20021105121554.0089eaa0@pop.gulftel.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

A quick "Thanks" to all who took a few minutes to respond to my query on Ocean State. Got several responses, most of them positive, a few cautionary. Good info in all. Net is that they are probably good to deal with so long as you verify that what you want is in stock and will not have to be re-ordered by OCE.

vy 73 es gl,  
Dave  
AB9CA

=====

Gang,

While searching for something I need I found this place as a supplier. Seems that I remember someone on the list mentioning them as an OK place to do business with.

Anyone used them? Comments pro or con?

Tried to do a search, but wasn't able to figure out how to search 2001 and 2002 -- no archives.

73,  
Dave  
AB9CA

-----  
Date: Tue, 5 Nov 2002 13:44:13 -0500  
From: "Jim Stamper" <jstamper@shentel.net>  
To: <kd1jv@moose.ncia.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139353] Re: Spartin Sprint  
Message-ID: <004601c284fb\$58be7610\$2c1c6fcc@jim>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Steve,

You were nice and strong here in Virginia--and my first 1w. NH QSO. I'm gonna send you a card!

73,  
jim-  
KG4LDY

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, November 05, 2002 12:56 PM  
Subject: Spartin Sprint

> SP is my favorite contest, as the exchange is as simple a possible. Not  
> like SS, which takes way too much work :-)  
>  
> 20M is pretty much dead by 9 PM EDT this time of year on the east coast,  
so  
> had to go down to 40. Didn't hear much activity, so started calling CQ and  
> scared up a little better than half a dozen Q's. Signals were pretty weak  
> on average, almost ESP in some cases. But then, my winter QTH at the shop  
> here is marginal at best, Seab is still amazed I get out at all from this  
> hole and with the "spider web" antenna on the roof, the apex of which is

> only 20 feet off the ground! Still, managed to get as far as FL, GA and  
AR,  
> not bad for a NVIS antenna :-)  
>  
>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>  
>

-----  
Date: Tue, 5 Nov 2002 12:37:58 -0600  
From: "KD5NWA" <KD5NWA@mbayona.com>  
To: <wb0wao@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139354] RE: [fpqrp] It's Election Day (In the US anyway)  
Message-ID: <ODEHLGCFFKOMOKMFFMBCLAEKICBAA.KD5NWA@MBayona.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Don't forget that your dead relatives want to vote too!

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
Dennis Ponsness  
Sent: Tuesday, November 05, 2002 11:59 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: [fpqrp] It's Election Day (In the US anyway)

Vote Early, Vote Often.....

72 es ooDennis - WB0WA0NJQRP #329FPQRP #-347SOC  
#499FISTS # 9299GACW #622ARS #1363

-----  
Date: Tue, 5 Nov 2002 13:56:37 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <k7qo@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139355] Re: Argonaut V/516 Supply Voltage sensitivity. >=12.0Vdc  
Message-ID: <008101c284fd\$19214bc0\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> At 11:57 AM 11/1/2002 -0800, Dick Ballard wrote:  
>  
>  
> >I too am disappointed in the 12v lower limit of the Argonaut V. Many  
> >12 volt systems are designed to run down to around 10.5 -11.5 volts  
> >which is a more realistic lead acid battery drop out level.  
> >  
> >  
> >Dick Ballard  
> >Beaverton OR  
> >W7AND  
>  
> I will post a long trip report later. I'm now going through 800 emails.  
>  
> After the contest ended on Sunday I took the Argonaut V and ran  
> the supply voltage down to just less than 10V before the receiver  
> dropped out. And at 10V and on 20M the WM-2 showed power out  
> when I keyed the rig. I will later today run a test with another  
> receiver to see if there is a chirp or other bad news.  
>  
> Chuck Adams, K7QO

>From the sounds of this, it appears that either there is a wide variance  
in how different units work, or what started this whole discussion was  
a unit that was not functioning as well as some other units.

Mike

-----  
Date: Tue, 5 Nov 2002 13:18:01 -0600  
From: "Mike D." <hrg@cifnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139356] RE: W40C QSL status .....  
Message-ID: <MABBKCNPDJPALIGNIPHICEDFJDAA.hrg@cifnet.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I tried several times to get a QSL card from W40C. I sent him an SASE and sent him e-mail. He never responded to either. I have had 13-contest QSOs with him and I asked him to confirm one for a new state on 80-meters.

Currently it looks like W40C is on top for SOLP SS CW. (From CQ-Contest reflector)

| Call         | QSOs | Secs | hr | Score   | Club                |
|--------------|------|------|----|---------|---------------------|
| Single Op LP |      |      |    |         |                     |
| W40C         | 1218 | 80   | 24 | 194,880 | SECC                |
| NP2B(N4BP)   | 1198 | 80   | 24 | 191,680 |                     |
| K7BG         | 1204 | 78   | 23 | 187,824 | Northern Rockies DX |
| N4WW(K0LUZ)  | 1141 | 80   | 24 | 182,560 | FCG                 |
| K0SR(@W0ZT)  | 1123 | 79   | 24 | 177,434 | MWA                 |

The solution is to simply stop working him in any contest. Since I will never win SS with my peanut station, he needs my contact more than I need his.

W40C was added to my Deadbeat QSLers webpage.

<http://www.qsl.net/n9bor/deadbeat.htm>

73 de Mike, N9BOR  
A-1 FISTS MAC SMC ZUT  
<http://www.qsl.net/n9bor>

di dah dit - The only Roger Beep you'll ever need.  
Let your fingers do the talking -- Morse code.  
My designated driver is a 12BY7A.

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> George Osier  
> Sent: Tuesday, November 05, 2002 11:59 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: W40C QSL status .....  
>  
>  
> Talked to Don on the phone and said to send him the info and that he would  
> confirm SC for me ..... :)  
>  
> (SNIP)  
>

>  
> Tried this yet?  
>  
> W40C Don Crain 5 Green Acres Drive Boiling Springs SC 864-578-6824  
> W40C@aol.com  
>  
> (SNIP)  
>  
>  
> Thanks for the info from Mike , WB5YJX and also from Walter , AG5P !!!!!  
>  
> 73s  
>  
> George Osier , N2JNZ / QRP  
>  
>  
>

-----  
Date: Tue, 05 Nov 2002 14:23:23 -0500  
From: "Randy Randall" <RANDALLR@healthall.com>  
To: <qrp-1@lehigh.edu>  
Subject: [139357] RE: [fpqrp] It's Election Day (In the US anyway)  
Message-ID: <sd7d467.069@jhs\_izar.healthall.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

If you don't vote, keep your mouth shut! You have no right to complain.

Randy AB9G0

Voted in the rain 7:30 AM today.

>>> "KD5NWA" <KD5NWA@mbayona.com> 11/05/02 01:37PM >>>

Don't forget that your dead relatives want to vote too!

Cecil  
KD5NWA

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
Dennis Ponsness

Sent: Tuesday, November 05, 2002 11:59 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: [fpqrp] It's Election Day (In the US anyway)

Vote Early, Vote Often.....

72 es ooDennis - WB0WA0NJQRP #329FPQRP #-347SOC  
#499FISTS # 9299GACW #622ARS #1363

-----  
Date: Tue, 05 Nov 2002 14:42:15 -0500  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [139358] Another Obnoxious, self-serving YIPPEE post!  
Message-ID: <3DC7D8C7.16105.105E8833@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Finally got K8T (American Samoa). Good thing the Argo V came with a mike  
or I might not have found one. Seems like those guys are SSB only.  
Haven't found them on CW, and don't see any spots, but got them on 10M  
SSB. Actually talked into that little thing and he answered me. Just like  
CB.

10-4 and all that..

---  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net>  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----  
Date: Tue, 5 Nov 2002 21:37:04 -0000  
From: "Paul M." <mooney@cytanet.com.cy>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139359] Re: [fpqrp] It's Election Day (In the US anyway)  
Message-ID: <00ab01c28513\$7f7d8300\$3b870ec3@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

As a Brit living in Cyprus I'm sure my vote will be counted in Miami.

Paul M

---

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.401 / Virus Database: 226 - Release Date: 09/10/02

-----

Date: Tue, 05 Nov 2002 20:27:23 +0000

From: "Alan Fryer" <N3BJ@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [139360] N3BJ Fox Final Log

Message-ID: <0E53Lf4bg5Xm1lgYBr40000076b@hotmail.com>

----- Original Message -----

From: Alan.Fryer@indsys.ge.com

To: N3BJ@hotmail.com

Date: Tue 11/05/2002 18:22

Subject: N3BJ Fox Final Log

Corrections made. Good hunting this Thursday!

| Time (UTC) | Call   | His | RST | My  | RST    | SPC   | Name | Power |
|------------|--------|-----|-----|-----|--------|-------|------|-------|
| 0200       | K2ZN   | 599 | 599 | NY  | Al     | 5W    |      |       |
| 0200       | N4BP   | 599 | 599 | FL  | Bob    | 5W    |      |       |
| 0201       | N1FN   | 559 | 559 | CO  | ET     | 5W    |      |       |
| 0202       | K4BYF  |     | 559 | 559 | FL     | Jack  | 5W   |       |
| 0203       | K4ADI  |     | 579 | 579 | SC     | Frank | 5W   |       |
| 0204       | K9DC   | 559 | 559 | IN  | Dave   | 5W    |      |       |
| 0204       | WB9HFK |     | 559 | 559 | IL     | Mark  | 5W   |       |
| 0205       | W9XT   | 559 | 559 | WI  | Gary   | 5W    |      |       |
| 0206       | K3IU   | 559 | 579 | RI  | Ken    | 5W    |      |       |
| 0207       | KR5C   | 559 | 559 | TX  | George | 5W    |      |       |
| 0208       | K8HJ   | 559 | 559 | MI  | John   | 5W    |      |       |
| 0208       | N0UR   | 559 | 579 | MN  | Jan    | 5W    |      |       |
| 0209       | N4ROA  |     | 589 | 589 | VA     | Dan   | 5W   |       |
| 0209       | N1TP   | 599 | 599 | FL  | Tom    | 5W    |      |       |
| 0210       | K9IUA  |     | 559 | 559 | IA     | Kevin | 5W   |       |
| 0210       | AJ4AY  |     | 559 | 559 | AL     | Jay   | 5W   |       |
| 0211       | KK5LD  |     | 579 | 599 | TX     | Dan   | 5W   |       |



|      |          |     |     |        |       |        |  |
|------|----------|-----|-----|--------|-------|--------|--|
| 0211 | AA4MF    | 559 | 559 | KY     | Mark  | 5W     |  |
| 0212 | W5YR 559 | 559 | TX  | George | 5W    |        |  |
| 0213 | WA8BXN   | 559 | 599 | OH     | Mike  | 5W     |  |
| 0213 | N0EA 559 | 559 | MO  | Wayne  | 5W    |        |  |
| 0214 | N3ZPQ    | 559 | 559 | OH     | Frank | 4W     |  |
| 0214 | WA9TZE   | 559 | 559 | WI     | Jim   | 5W     |  |
| 0215 | K4FB 559 | 599 | FL  | Paul   | 5W    |        |  |
| 0215 | N9IJ 559 | 559 | IL  | Len    | 5W    |        |  |
| 0216 | N3AO 559 | 559 | PA  | Carter | 5W    |        |  |
| 0216 | K2PQ 559 | 589 | NJ  | Frank  | 5W    |        |  |
| 0217 | K5ZTY    | 559 | 559 | TX     | Bill  | 5W     |  |
| 0217 | K4GT 559 | 559 | GA  | Jim    | 5W    |        |  |
| 0218 | K4UD 559 | 559 | SC  | Bob    | 5W    |        |  |
| 0219 | VE3FAL   | 559 | 559 | ON     | Fred  | 5W     |  |
| 0220 | WE9K 559 | 599 | WI  | Glenn  | 5W    |        |  |
| 0221 | KG4PUG   | 559 | 579 | VA     | Dave  | 5W     |  |
| 0222 | K5SR 559 | 559 | TX  | Dale   | 5W    |        |  |
| 0223 | N5ZE 559 | 559 | TX  | Lew    | 5W    |        |  |
| 0223 | W2RBA    | 559 | 599 | NY     | Joe   | 5W     |  |
| 0224 | W5USJ    | 559 | 559 | TX     | Chuck | 5W     |  |
| 0225 | W2XS 559 | 599 | NY  | John   | 5W    |        |  |
| 0226 | KC2CK    | 559 | 599 | NY     | Don   | 1W     |  |
| 0226 | WR50 559 | 559 | TX  | Dave   | 5W    |        |  |
| 0228 | W5TB 559 | 559 | TX  | Doc    | 5W    |        |  |
| 0228 | K0EX 559 | 559 | CO  | Mark   | 5W    |        |  |
| 0229 | W9XU 559 | 559 | WI  | Lon    | 5W    |        |  |
| 0229 | K5DW 559 | 559 | TX  | Don    | 5W    |        |  |
| 0230 | K0FRP    | 579 | 579 | CO     | Al    | 5W     |  |
| 0231 | K1VP 559 | 559 | NH  | Ed     | 5W    |        |  |
| 0232 | AE4TC    | 559 | 599 | VA     | Scott | 5W     |  |
| 0233 | K5FSE    | 559 | 599 | GA     | Jack  | 5W     |  |
| 0234 | K3PH 579 | 579 | PA  | Bob    | 5W    |        |  |
| 0235 | WA2TDL   | 559 | 559 | NY     | Rick  | 2W     |  |
| 0236 | AB5XQ    | 559 | 599 | AR     | Bill  | 5W     |  |
| 0237 | KV2X 559 | 559 | NY  | Tom    | 5W    |        |  |
| 0238 | W8YMO    | 559 | 559 | OH     | Harry | 5W     |  |
| 0239 | N0DSP    | 559 | 559 | CO     | Tom   | 5W     |  |
| 0240 | K5AIC    | 559 | 559 | MS     | Herb  | 5W     |  |
| 0241 | AA50 559 | 559 | LA  | Vern   |       |        |  |
|      | 5W       |     |     |        |       |        |  |
| 0243 | VA3JFF   | 559 | 559 | ON     | Jeff  | 5W     |  |
| 0244 | K0PC 559 | 559 | MN  | Pat    | 5W    |        |  |
| 0245 | WA4CMI   | 559 | 559 | VA     | Al    | 5W     |  |
| 0245 | AF4LQ    | 559 | 559 | KY     | Mike  | 5W     |  |
| 0246 | K1KID    | 559 | 599 | MA     | Carl  | 4W     |  |
| 0247 | KB9YIG   | 559 | 599 | IN     | Tony  | 500 mW |  |
| 0248 | K2TER    | 559 | 559 | NY     | Bill  | 5W     |  |
| 0249 | K8CV 559 | 559 | MI  | Walt   | 5W    |        |  |

|      |          |     |     |        |        |        |
|------|----------|-----|-----|--------|--------|--------|
| 0250 | K4JPN    | 559 | 579 | GA     | Steve  | 4W     |
| 0251 | WB6BWZ   | 559 | 579 | GA     | Matt   | 5W     |
| 0252 | W0CH 559 | 599 | MO  | Dave   | 5W     |        |
| 0253 | N0HRL    | 559 | 599 | MN     | Ken    | 5W     |
| 0254 | K5JHP    | 559 | 559 | TX     | Bill   | 5W     |
| 0254 | WD9F 559 | 559 | IL  | Woody  | 5W     |        |
| 0255 | AE4Y 559 | 579 | GA  | Kent   | 5W     |        |
| 0256 | W6ABC    | 559 | 599 | PA     | Jack   | 5W     |
| 0257 | WS4S 559 | 599 | TN  | Conard | 5W     |        |
| 0257 | N9AW 559 | 599 | WI  | Terry  | 5W     |        |
| 0258 | K5TR 559 | 599 | TX  | George | 5W     |        |
| 0259 | WA8VNZ   | 559 | 579 | MI     | Mark   | 5W     |
| 0300 | VA6RF    | 559 | 559 | AB     | Earl   | 5W     |
| 0301 | KI0II    | 559 | 579 | CO     | Ron    | 1W     |
| 0302 | K3ESE    | 559 | 599 | MD     | Lloyd  | 5W     |
| 0303 | KB0LUR   | 559 | 559 | CO     | Paul   | 5W     |
| 0304 | NK9G 559 | 559 | WI  | Rick   | 5W     |        |
| 0305 | N6LIF    | 559 | 599 | TX     | Martin | 5W     |
| 0307 | N4JIU    | 559 | 599 | TX     | Bruce  | 5W     |
| 0308 | N5YFC    | 559 | 559 | LA     | Wayne  | 5W     |
| 0309 | N2WW 559 | 599 | CO  | Larry  | 5W     |        |
| 0310 | N8XE 559 | 559 | OH  | Jason  | 5W     |        |
| 0311 | N3XRV    | 559 | 599 | PA     | Chris  | 5W     |
| 0312 | VE6KG    | 559 | 559 | AB     | Norm   | 5W     |
| 0313 | WV9N 559 | 599 | OH  | Randy  | 5W     |        |
| 0314 | W2AGN    | 559 | 599 | NJ     | John   | 4W     |
| 0315 | KC1FB    | 559 | 559 | CT     | Jim    | 500 Mw |
| 0315 | VE6JAZ   | 559 | 559 | AB     | Rob    | 5W     |
| 0316 | N5EBD    | 559 | 559 | TX     | Ken    | 5W     |
| 0317 | N9NE 559 | 559 | WI  | Todd   | 100 mW |        |
| 0318 | W3SMK    | 559 | 599 | NY     | Steve  | 5W     |
| 0318 | AG0T 559 | 559 | ND  | Todd   | 4W     |        |
| 0319 | K5QK 559 | 579 | LA  | Don    | 5W     |        |
| 0320 | N0WX 559 | 599 | MN  | Mike   | 5W     |        |
| 0321 | KI0RB    | 559 | 599 | CO     | Vince  | 5W     |
| 0322 | WV9F 559 | 559 | WI  | Terry  | 5W     |        |
| 0323 | VE5RC    | 559 | 559 | SK     | Bruce  | 5W     |
| 0324 | W9HL 559 | 559 | IL  | Randy  | 5W     |        |
| 0325 | K5DI 559 | 599 | NM  | Karl   | 5W     |        |
| 0326 | KC9LC    | 559 | 559 | VA     | Randy  | 5W     |
| 0326 | N9WW 559 | 559 | IL  | Tim    | 5W     |        |
| 0327 | WD7Z 559 | 559 | NM  | Mark   | 5W     |        |
| 0328 | VE4WI    | 559 | 559 | MB     | Craig  | 5W     |
| 0329 | W0PWE    | 559 | 579 | IA     | Jerry  | 5W     |
| 0330 | K7TQ 559 | 559 | ID  | Randy  |        |        |
| 5W   |          |     |     |        |        |        |
| 0330 | AA7EQ    | 559 | 559 | AZ     | Bob    | 5W     |
| 0331 | N5IB 559 | 559 | LA  | Jim    | 5W     |        |

|      |         |     |     |    |        |    |
|------|---------|-----|-----|----|--------|----|
| 0332 | VE6EX   | 559 | 559 | AB | Dan    | 5W |
| 0333 | WD5CMN  | 559 | 599 | AB | Mike   | 5W |
| 0334 | AC7A    | 559 | 599 | AZ | Tom    | 5W |
| 0335 | W0RSP   | 559 | 579 | SD | Ade    | 4W |
| 0336 | NM5M    | 559 | 559 | TX | Eric   | 5W |
| 0337 | AK7Y    | 559 | 559 | AZ | Greg   | 5W |
| 0339 | N5WL    | 559 | 559 | OK | Bart   | 5W |
| 0340 | NK6A    | 559 | 559 | CA | Don    | 5W |
| 0341 | W5NC    | 559 | 559 | TX | Zed    | 5W |
| 0342 | K4TJD   | 559 | 559 | GA | Tom    | 5W |
| 0343 | NX9Z    | 559 | 559 | WI | Steve  | 2W |
| 0344 | KB7WW   | 559 | 559 | OR | Art    | 5W |
| 0345 | KJ0C    | 559 | 599 | MO | Jim    | 5W |
| 0346 | K3TUP   | 559 | 559 | PA | John   | 5W |
| 0347 | AB9CA   | 559 | 559 | AL | Dave   | 5W |
| 0348 | N0TK    | 559 | 559 | CO | Dan    | 5W |
| 0350 | WB8WTU  | 559 | 559 | OH | Dennis | 2W |
| 0351 | KR0U    | 559 | 559 | CO | Tim    | 5W |
| 0353 | KG6CYN  | 559 | 559 | CA | Trev   | 5W |
| 0354 | AD6JY   | 559 | 559 | CA | Dan    | 5W |
| 0354 | WA7TQK  | 559 | 559 | ID | Bill   | 5W |
| 0355 | N8VAR   | 559 | 339 | OH | Ron    | 5W |
| 0356 | N2LO    | 559 | 559 | NJ | Bob    | 5W |
| 0357 | KN5TX   | 559 | 579 | TX | George | 5W |
| 0357 | KC0ATC  | 559 | 559 | CO | Chris  | 5W |
| 0358 | W9UQB/7 | 559 | 559 | AZ | Mike   | 5W |
| 0359 | N0SG    | 559 | 559 | CO | Jason  | 5W |
| 0359 | W0UFO   | 559 | 559 | MN | Mert   | 5W |
| 0359 | N3BJ    | 559 | 559 | VA | Alan   | 5W |

Alan, N3BJ  
Bent Mountain, VA

-----

Date: Tue, 05 Nov 2002 13:31:21 -0700  
 From: Wayne Glover WE7G <wayneg@inovion.com>  
 To: qrp-l@lehigh.edu  
 Subject: [139361] FS shack cleaning - update  
 Message-ID: <3DC82A98.64DB6920@inovion.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

The Army Flameproof key has been spoken for.

I see that I forgot to mention a price for the Ten-Tec 1330. I am looking for \$80 plus shipping and I do have the manual, just so everyone knows.

Thanks for the bandwidth

"Dubbya"  
Wayne

-----  
Date: Tue, 5 Nov 2002 12:41:10 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [139362] Re: Another Obnoxious, self-serving YIPPEE post!  
Message-ID: <20021105204110.GB10473@bob.n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

I worked K8T on 12M CW on Sunday afternoon. I have heard them on 30, but didn't have any luck there.

73,  
Bob, N7XY

On Tue, Nov 05, 2002 at 02:42:15PM -0500, W2AGN wrote:  
> Finally got K8T (American Samoa). Good thing the Argo V came with a mike  
> or I might not have found one. Seems like those guys are SSB only.  
> Haven't found them on CW, and don't see any spots, but got them on 10M  
> SSB. Actually talked into that little thing and he answered me. Just like  
> CB.  
>  
> 10-4 and all that..

-----  
Date: Tue, 05 Nov 2002 15:52:51 -0500  
From: Alex <kr1st@amsat.org>  
To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [139363] Re: KITS: Table Tob Nor'easter  
Message-ID: <3DC82FA3.B46B0EC5@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

> go to <http://www.qsl.net/kd1jv/ttswr.HTM> Check  
> out the neat little wood box I made to put the radio in..

It's an X-file:

<http://www.qsl.net/kd1jv/ttswrx.HTM>

Very nice!

73,  
--Alex KR1ST

<http://www.kr1st.com>

Steven Weber wrote:

-----  
Date: Tue, 05 Nov 2002 21:28:15 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: w1rfi@arrl.org,  
    "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [139364] Re: Points/watt in the CW SS? (was RE: Another state falls to  
    2 mWatts - FREE ARRL Handbook?)  
Message-ID: <5.1.0.14.0.20021105212557.02732008@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Not here.

I had it pegged - 20 QSOs, 20 Mults at 2 mWatts. Well I got on Sat.  
afternoon for a couple of hours - no one heard me. I did get a few  
question marks, but that was it. Saturday evening I finally got a fellow  
in NH. Sunday I tried a few times without any luck. I couldn't get on  
Sunday evening when it might have been the best time. So This goes down as  
my lowest SS score ever.

73 de Larry.....WD3P  
<http://www.wd3p.net/>

At 03:41 PM 11/4/2002 -0500, Hare,Ed, W1RFI wrote:  
>Unfortunately, a Subaru emergency kept me off the air this weekend. :-(  
>  
>Did anyone beat my record for points/watt in the SS? I have that 2003  
>Handbook just sitting here awaitin' for a claimant...  
>  
>73,  
>Ed Hare, W1RFI

>ARRL Lab  
>225 Main St  
>Newington, CT 06111  
>Tel: 860-594-0318  
>Internet: w1rfi@arrl.org  
>Web: <http://www.arrl.org/tis>  
>  
> > -----Original Message-----  
> > From: Chris Cartwright [mailto:ccart@phideaux.com]  
> > Sent: Monday, November 04, 2002 7:44 AM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: RE: Another state falls to 2 mWatts - FREE ARRL Handbook?  
> >  
> >  
> > On Fri, 25 Oct 2002, Hare,Ed, W1RFI wrote:  
> >  
> > > Here's the deal, then.  
> > > The scoring scheme for points/watt is final score/maximum  
> > power used.  
> > >  $56 * 2 * 34 / .01 = 380,000$  points per watt.  
> >  
> > SS total = 58 sec x 70 Q's x2 = 8120  
> >  
> > after dropping three, 3 to 5W Q's  
> >  
> > fun total = 55 sec x 67 Q's x2 / .99 = 7444.4 :)  
> >  
> > Plenty of folks should beat this. When I got DE on the second Q, I  
> > switched from contesting to my own private quest for QRPP  
> > WAS. Got pretty  
> > close, 43 states total, and 41 of 'em QRPP. Bumped the power  
> > for HI and  
> > AZ. Didn't find AL, AK, ME, MT, NV, RI and VT. KU7Y and his  
> > elevated  
> > aluminum used to be a sure thing from NV.  
> >  
> > Either way, win or lose, it was a blast. Used the IC735 with  
> > the "ALC  
> > mod", a ladder fed 100' dipole at 25', ground mounted 5BTV,  
> > and 450' loop  
> > at 45'. The low dipole was the overall winner, used the  
> > vertical for a  
> > lot of the "DX" on the higher bands.  
> >  
> > -- Chris Cartwright, Unix Administrator |  
> > ccart@phideaux.com --  
> > -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA  
> > 19363 FM29as --

> > -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028  
> > QRP-ARCI #9271 --  
> >  
> >  
> >

-----  
Date: Tue, 05 Nov 2002 17:01:09 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [139365] Ordered my DDS sig gen kit from Trev...CQ digikey.com ...  
Message-ID: <F54wMZw4a6e3bboapCK0000c6d2@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Been ordering stuff for various projects from Digi-Key over the past few weeks. I LOVE finding those packages of goodies when I get home from work. Last night, was wondering what I might order this week...now, I know :)  
Go, Trev!

73.  
Bill, N4QA  
<http://www.qsl.net/n4qa/>

-----  
Surf the Web without missing calls! Get MSN Broadband.  
<http://resourcecenter.msn.com/access/plans/freeactivation.asp>

-----  
Date: Tue, 5 Nov 2002 17:34:15 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139366] RE: Points/watt in the CW SS? (was RE: Another state falls to 2 mWatts - FREE ARRL Handbook?)  
Message-ID: <721D3436A7C2B344A301FD4A413C71A91AC1E1@kosh.ARRLHQ.ORG>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Bummer. My guess is that around 40-50 milliwatts is the optimum. At 10 = milliwatts, it was a REAL struggle to make any QSOs -- I literally had = to work the entire 24 hour 'test to get my QSOs, and that was one every = half hour. At 50 milliwatts, I think that one would make a few more = QSOs and a a lot more mults, so that may be the optimum. =20

Well, if anyone wants to try for a 2004 Handbook, they can beat my = record next year -- if I don't beat it myself, that is! Maybe next year = I will "rent" a station and see what can be done with a real antenna = system. My antenna for my 10 mw effort was a ladder-line fed 80-meter = dipole, up 50 feet on one end and 20 feet on the other. Half of the = antenna was blocked to the west by a big brick building! =20

If you had put in the entire 24 hours to make that single QSO, I would = give you the Handbook just on principle!!! :-)

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Larry Cahoon [mailto:lejek@erols.com]

> Sent: Tuesday, November 05, 2002 4:28 PM

> To: Hare,Ed, W1RFI; Low Power Amateur Radio Discussion

> Subject: Re: Points/watt in the CW SS? (was RE: Another state=20

> falls to 2

> mWatts - FREE ARRL Handbook?)

>=20

>=20

> Not here.

>=20

> I had it pegged - 20 QSOs, 20 Mults at 2 mWatts. Well I got on Sat.=20

> afternoon for a couple of hours - no one heard me. I did get a few=20

> question marks, but that was it. Saturday evening I finally=20

> got a fellow=20

> in NH. Sunday I tried a few times without any luck. I=20

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>=20  
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> <http://www.wd3p.net/>  
>=20  
> At 03:41 PM 11/4/2002 -0500, Hare,Ed, W1RFI wrote:  
> >Unfortunately, a Subaru emergency kept me off the air this=20  
> weekend. :-(  
> >  
> >Did anyone beat my record for points/watt in the SS? I have=20  
> that 2003=20  
> >Handbook just sitting here awaitin' for a claimant...  
> >  
> >73,  
> >Ed Hare, W1RFI  
> >ARRL Lab  
> >225 Main St  
> >Newington, CT 06111  
> >Tel: 860-594-0318  
> >Internet: w1rfi@arrl.org  
> >Web: <http://www.arrl.org/tis>  
> >  
> > > -----Original Message-----  
> > > From: Chris Cartwright [mailto:ccart@phideaux.com]  
> > > Sent: Monday, November 04, 2002 7:44 AM  
> > > To: Low Power Amateur Radio Discussion  
> > > Subject: RE: Another state falls to 2 mWatts - FREE ARRL Handbook?  
> > >  
> > >  
> > > On Fri, 25 Oct 2002, Hare,Ed, W1RFI wrote:  
> > >  
> > > > Here's the deal, then.  
> > > > The scoring scheme for points/watt is final score/maximum  
> > > > power used.  
> > > >  $56 * 2 * 34 / .01 = 380,000$  points per watt.  
> > > >  
> > > > SS total  $= 58 \text{ sec} * 70 \text{ Q's} * 2 = 8120$   
> > > >  
> > > > after dropping three, 3 to 5W Q's  
> > > >  
> > > > fun total  $= 55 \text{ sec} * 67 \text{ Q's} * 2 / .99 = 7444.4$  :)  
> > > >  
> > > > Plenty of folks should beat this. When I got DE on the=20  
> > > > second Q, I  
> > > > switched from contesting to my own private quest for QRPP  
> > > > WAS. Got pretty  
> > > > close, 43 states total, and 41 of 'em QRPP. Bumped the power  
> > > > for HI and  
> > > > AZ. Didn't find AL, AK, ME, MT, NV, RI and VT. KU7Y and his

> > > elevated  
> > > aluminum used to be a sure thing from NV.  
> > >  
> > > Either way, win or lose, it was a blast. Used the IC735 with  
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> > > mod", a ladder fed 100' dipole at 25', ground mounted 5BTV,  
> > > and 450' loop  
> > > at 45'. The low dipole was the overall winner, used the  
> > > vertical for a  
> > > lot of the "DX" on the higher bands.  
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> > > -- Chris Cartwright, Unix Administrator |  
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> > > -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028  
> > > QRP-ARCI #9271 --  
> > >  
> > >  
> > >  
>=20  
>=20  
>=20

-----  
Date: Tue, 05 Nov 2002 17:34:01 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [139367] Re: [fpqrp] It's Election Day (In the US anyway)  
Message-ID: <000301c2851b\$70ba1650\$6501a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Paul M. (mooney@cytanet.com.cy) said:  
>As a Brit living in Cyprus I'm sure my vote will be counted in Miami.

Votes from Cyprus don't get counted in Florida - only those from Chad  
(TT8ZZ, you reading this?).

John Harper AE5X  
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Tue, 05 Nov 2002 14:54:53 -0800  
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [139368] K7Q0 Road Trip Report [very long]  
Message-ID: <5.1.1.6.0.20021105094927.00b45630@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Before you delete before reading, this posting covers some important topics on antennas, weather, and SS 2002. And you'll see what I have to do to contest each year. ;-)

#### Day 1

Tuesday. I am scrambling to get packed and make sure I have every thing I need and sometimes two of what I need. Overkill is not a bad thing sometimes. I pick up the aluminum pole and yagi at the post office from Superantennas (W6MMA's company). I get the oil changed and at the same time I get the antifreeze changed as they are having a special. This was important as I found out later. Put everything I can in the 1997 Ford Explorer in prep for leaving in the a.m.

#### Day 2

Wednesday. I leave the house around 9a.m. (later than I wanted). I drive all the way to Park City, UT by 10pm. Bob (AB7ST), Nancy, and Yoda were kind enough to let me stay the night. Yoda is a 93 pound critter (dog) that just loves to kill tennis balls. :-) I had stopped at several places to take digital pictures of the wonderful views so the lateness. There are three sets of tennis balls in the mail to Yoda as we speak. Enjoy. Thanks to Bob for the nice hospitality and the visit and tour of the station.

The trip was made easy by the number of stations worked on 10 meters. The band was in good condition and SS was looking better each minute. Thanks to all of you that I worked and sorry I missed any one.

#### Day 3

Thursday. Leave early and head for Kemmerer, WY. Get there just before lunch. Now I had gotten emails from K7GT and K1SWL about this place. K7GT pointed out that the the town was famous for the first J.C. Penney

store. Sure enough there it was. I have two digital pics of it.

I went west of town to the cabin and lake that I had found on the web and was immediately disappointed. It was in a deep valley and the A-frame was older than dirt and not in good shape. This place was for fishermen that don't care about fancy places to stay. Now to formulate a plan B.

Back to town and stopped at the Subway to eat lunch (hey, heavy thinking requires a good meal). Talking to the girl behind the counter about any B&Bs and there are none. Girl behind the counter at Texaco, the two businesses were in the same building says that she is a ham and she and her husband have a place on 40 acres way out in the country. But I decided not to pursue that plan as they were not contesters.

On way back to town I see why K1SWL was here. He evidently is a critter studier (paleontologist) as he had been here and there was a sign advertising it as the fossil capital of the world.

So look at the map and head for Jackson, WY. Get there after 4pm and they have over 1 foot of snow. B&B that is to the west of town and away from the noise and mountain to the east is not reachable due to road conditions Not maintained by county. Uh-oh. Plan C.

I head north looking for a place. I stop at a view point and get a high resolution digital picture of the Grand Tetons back lit with red light from the setting sun. Worth the whole trip just for that. Go north until Moran and then SE on route 26 to Lander. This was the most dangerous driving in my entire life. Jackson was clear but as you got north of the near Jackson the clouds were built up. It was near white out conditions with the snow. I got behind an old pickup truck with WY plates as I knew this was someone who had been here for some time. We did 25 mph and slower for a long distance over winding road with icy conditions. Thank you fellow traveler. Scarey seeing tail lights reflected off of ice on the road.

Got to Lander, WY around 10pm or later. -2 degrees on the thermometer. Stopped at the border (outside the bun) then went to Best Western for the night. Next a.m. asked about B&Bs at the front desk. Found the Lander Llama Company and called them. Sounded good so went out to take a look. Not bad so took it hoping for the best. 1240 miles total driven to this point!!

Back to hotel to check out and ran to store to get food. Hey. You don't expect me to contest on an empty stomach do you? Back to country just after lunch. I unload the Q0-mobile into the bunk house. I spend some time outside looking at the layout and decide on a plan and go to it.

## ANTENNAS

1. First of all I owe Vern Wright, W6MMA, a dinner on me the next time I see him. He has two items that he sells.

The first is a five section aluminum pole that is around 4cm in diameter for the base section to 2.5cm in diameter for the top section and when closed it is about 162 cm high(63.5"). Extended it goes to about 6.4m (21'). Each section locks into place with a twist of a ring. In the \$100 price range and a rare item. Weighs about 4 lbs (~2kg).

The second item is a two element portable beam that fits into a small bag about 1 meter long with carrying handle (nylon bag). Can fit in the overhead on an airplane. Weighs in at 8lbs (about 4kg in mass). Can be assembled in the field

in short order. Took me a 30 mins to read the manual and assemble it in the bunk house. When I had talked to Vern on the phone he said to add some 2cm or so to each segment at the 6m height, so I did. Ha. Mount it on the pole (oops. no hex wrench in the tool box or the prop nut wrench from the hobby shop, so into Lander for a 6" crescent wrench) with the bracket supplied with antenna. Remember this. Attach 50' section of RG-58U from Radio Shack. I use nylon cord from Home Depot for guys at the top section and up goes the antenna. Tie guys to trees and one to a 12" rebar piece also from Home Depot. Route coax into bunk house through window. Get out the antenna analyzer and the yagi resonates at 13.6MHz. No contest at that frequency, so back out into the cold and down comes the antenna and just a quick twist of two locking nuts on each element and I decrease the length about 2cm each. Now antenna resonates at 14.07MHz. Fine.

Antenna is set up on one band. Choice of 20, 17, 15, 12, 10, and 6m with two sets of four coils and adjustments. This is gonna be a great antenna for FD, etc. Not exactly material for back packers unless they want the exercise. :-)

Now Vern can quote me to the end of time on this one. This antenna was the most important item for this contest!! Without it I would have been in deep yogurt. You gotta get one or more of these for FD. Heck I'm gonna use it at the house. Not a cheap purchase but well worth the money. You heard it here. L.B. Cebik did the modeling on it for Vern. See pictures when I can get them on the web. Don't rush me as I have plenty to do right now.....

<http://www.superantennas.com/>

Vern, how about a dual bander for 15 and 10 m?????? Please by November 2003.

2. This is the neat part. I needed a wire antenna for the other bands. I had gone to Home Depot at home and bought 5 10' 1/2" electrical conduit sections. \$1.37 each. I went over into the lumber section and found 5/8" wooden dowel rods about two feet in length. These puppies cost more than the conduit, but please don't complain to Home Depot. They'll raise the price of the conduit. :-)

OK. Take a hacksaw and cut each 10' section into 5' sections. Cut the dowels into 4" sections. Place a 2" into the conduit and drill a small hole and use a self tapping screw to hold in place. Some of the dowels may be tight. Make sure the other 5' section slips over the dowel. DON'T drill and tap. This section will go on top and gravity will hold it in place and the dowel supports no weight any way. In the other end (top) place a dowel and also drill and tap to hold in place. Now drill several holes in this top dowel. It will be used to hold the wire and window line feeder. The extra hole for guy lines using the nylon string. I can do a more detailed write up, but this should do. Use your experience and imagination to expand.

With the 5' instead of 10' sections these are easier to transport in the back of the travel conveyance. :-) And there is a side benefit! I needed 20' to clear the roof of the bunk house, so I combined two 10' sections to do this. Worked nicely. You can even combine to go higher, but they you'll have to consider several levels of guy wires. I did this 20' section without help, but for higher structures I'd guess you'd need help.

In setting up the wire antenna I had to place the 20' pole next to the bunk house (cabin). One 30 m wire to the south and about 50 m of wire to the NE. This last segment just above a large tin roof covering the room and two additional rooms for utility and a small garage for the Honda like 4 wheel vehicle for hauling hay for the llamas.

Now people have started many a thread about running antennas next to and close to metal. My choice was to put the antenna up with an orientation that I thought best and for now ignore the metal as I didn't have a plan B on this antenna with the distances to work in with the land and trees. Just do it and hope for the best. It worked OK. Not the best in the world but it got me through. See details later in the summary.

OK. Antennas setup and it is getting near dark. It took me some time to work out the wire antenna. I did not know it at the time but the temperature was under 15 degrees and dropping to near 0 at dusk. Later that night I had trouble sleeping due to shivers and I attribute this due to the exposure to the cold. I was taking breaks and warming up but we're not as young as we used to be.

300 ohm window line to feed the wire antenna and a Tucker tuner. This tuner is the one that Vectronics makes and maybe the same model number. Tucker Electronics in Dallas went under years ago.

Antennas up and now the true test. Hook up the power supply and the TenTec Argonaut V as I did not know about the noise level and I was hoping for the best. I turn on the receiver to see how this is going to work out. 20 m and I don't hear a thing. I was thinking a lot of trouble developing here. I tune across the band and I hear some signals. I hear some LOUD signals. I tune down to 13.990MHz. The S-meter is sitting on the bottom of the scale. There is no noise at all!!! A miracle. This is gonna be sweet.

I have an old Tucker T-1000 Antenna Tuner ( didn't wanna take down the TenTec tuner for this trip) and I hooked it up to the wire antenna and fed the coax 1 connection to the beam to reduce any SWR to it. I set the power out on the Argonaut V to the lowest level. This outputs to a dummy load the following values and also listed are the input power supply voltages to quit the nay-sayers from bad mouthing a fine rig: (OHR WM-2 wattmeter)

| Supply Voltage | Output at lowest level (key down) |
|----------------|-----------------------------------|
| 13.8V          | 200mW                             |
| 13.0V          | 190mW                             |
| 12.0V          | 160mW                             |
| 11.0V          | 150mW                             |
| 10.0V          | 110mW                             |
| 9.0V           | 100mW                             |

but receiver quits at this voltage. I did not try higher output at this time but will do so at a later date in a more detailed review for QRP ARCI QQ, if they will take it.

OK, now remember this as it will be critical later on.

So I take the lowest level output and I adjust the antenna tuner on all bands 80 through 10 meters and write down the settings. These I use throughout the contest, but on band changes I will reset the power output to the lowest level and check SWR. This caused me a problem on Sunday when I tried for 20 minutes to break the pileups

for VY1JA and V01MP when I forgot to move the output back to 5W.

Antennas are now ready to rock and roll and I'm ready for Saturday. I hook up the two laptops. The Compaq for logging using CT9.8+, the latest and greatest release. Worked flawlessly for the entire contest.

Had second laptop, the HP, and had downloaded a program called ReCall from Sagebrush systems. It is an audio recording program using the sound card. I was going to record the entire contest in MP3 format for playback at QRP gatherings to show how a pile up sounds on my end. :-) I hooked the program up on the night before I left and tried a small snip-it of sound and played it back. Bad idea. On Saturday about 25 mins into the contest the program locked up the computer. Not even the Vulcan Death Grip (alt-ctl-del) could reboot the system. Powered it down and back up and restarted and the same thing happened. So that idea went down the tubes. There was a nasty-gram generated by M/S that they wanted to send an email to note the problem for their records. I'll email that puppy later today. Evidently there is a problem at some point in the O/S, the App, or my computer. I got this idea to use the program from another contester in the group.

Saturday gets here and it is still cold, but I'm ready and at 2100UTC were are off and running. I feel good after 11 hours and it's off to bed for a rest. I don't set an alarm but I make it up about the right time. Total time 20hrs of operating.

This year

K7Q0 Q 552Qs 77sections (NL, QC and NWT missed) 85,008 points

I have to go back and check the records, but this about doubles last year score.

This should be the new high score in the Q-class for WY. I'll do the research later. Next year I have a contest station lined up. They had a conflict arise at the last minute this year, thus the change in plans several times. And am I not correct? Did I not post to this group that all bets were off in this years contest? I'll check the archives. No \$20 bill Doug. Next year.

K7RE and I will have to work out which division to do. No use competing in the same division when the A-class scoring record is also up for grabs. We'll toss a coin, but I don't have a 100W rig (yet). I want the plans to the antenna system and orientation you used this year. Depressing to have him call me with a higher number at the time..... :-)



1. I took the /7 out of the call this year as Tree's program removed it last year.
2. Thanks to KL7XX (AK) who called me on Sunday afternoon.  
Thanks to K1PQS (ME) who called me on Sunday afternoon.  
Thanks to VE1ZJ (MAR) who called me on Sunday afternoon.  
Thanks to VE4VV (MB) who called me on Sunday afternoon.  
Thanks to WC7S (WY) who called me on Sunday morning. (The other Q in WY)  
I was 151 Qs ahead of him at the time.  
Thanks to AC7GM (MT) who called me on Sunday morning.

All these were sections that I was missing and was going to start worrying about  
later..... Secret: work stations until you drop. The sections will add up. Work  
one work them all.

3. Next year get better antennas for 40, 15, and 10 meters. Here I keep posting  
about how important antennas are and don't apply the ideas to all the work in the field.

It was fun to call stations on 20 meters and have them come back every time. The Superantenna yagi works very very well. And because of the antenna, the excellent contest rig in the Argonaut V, and the low noise level I picked up about 8 sections on 20 meters that I would have missed other wise. It saved my bacon for sure this year.

4. Funny story. You'd be surprised by the amount of time during the contest I lose due to two situations. a. The guy would take an extra few seconds thanking me for WY. b. Guys asking for a confirmation on WY. :-) Like WY isn't on the section list on the computer screen? Like I made it up? And this from stations with over 850 Qs.

5. Second funny story. On 10m Sunday afternoon. Try busting the pileups on VY1JA and VO1MP running only 200mW!!! Can't be done. It was the case of me testing the SWR and getting ready to work the two stations that are the most in demand. I don't know how they do it. I wouldn't want to be in their shoes. But I forgot to reset the power level and didn't catch it until late..... I did this once before on an FT-1000mp.

6. I did work a number of QRPers and if I missed you I'm sorry. I did clear frequency several times on 20 m on both the bottom and the top. Hopefully I wasn't going too fast. I tried at 26 and 28 wpm on CQs to keep from going too fast.

LAST DAY

Up at twilight to take down the antennas. I found out at a local restaurant while eating biscuits and gravy that the temp was -15F at the time. No wonder the QO-mobile took 20 minutes to get the temp gauge off C for

cccccoooooooooooooollllllllllllllllllldddddddd.

I started it up first thing before starting on the antennas.

Trip back. 914 miles in 14.5 hours. No stops except for gas. For the trip I averaged 26 mpg. Not bad for 95,000 miles on an auto.

Here is a quick summary:

|     |       |
|-----|-------|
| 80m | 4Qs   |
| 40m | 95Qs  |
| 20m | 303Qs |
| 15m | 115Qs |
| 10m | 33Qs  |

77 sections with the usual missing suspects.

I spent a good half hour on 80m without much success. I kept getting QRZ from stations. I had some QRZs on 40, 15, and 10m also.

But 20m was so good I can't tell you how good it felt. I didn't get a single QRZ and I got every station on the first call. Even broke a mini pileup a couple of times. Stations were loud and I even got to hold the frequency for some runs of CQs. But my best rates were using the Search and Pounce (S&P) method by moving up and down the band and calling stations. My run rate on CQs was way down. But I did get a request for repeats on WY as they could not believe it. :-). And like these stations couldn't copy what was sent????? The Superantennas yagi did the trick for me and I worked stations that I would have missed with the wire antenna.

I'd call CQ for 2 mins and not get an answer. Then all of sudden I'd get 3 stations calling me. I'd get one of them, finish, then standby for the other 2 and they'd be gone. Now this must be a flaw in the way I operate a contest. If I call a guy and get beat out I'd wait and call him again. Looks like most contesters just forget it and go on. I want the Q and I'm patient enough to wait a bit and try again on the same station. He/she may not be there when I get back.

On Sunday I did work one guy at 16wpm. My average speed during the contest was 26-28wpm.

I had several people take the frequency away from me. I'd write down their call and see if they were in the log. Then I'd leave and go on. I didn't call them. :-)

The Argonaut V worked flawlessly and I really really love the rig. Note that my highest score in SS was 95,000 points in Dallas using an array of Force 12s at 70' and up and an FT-1000mp and here I was using temporary antennas and a much less expensive rig to nearly top that score. I think had I done more than 20 hours I would have broken my record. The score was increasing nicely for each Q when I got the 77th section. I'll do a complete

write up on the Argo later this week. I need to put it through its paces and measure

some stuff that you will have questions about. It is a contest radio and not a back packers or battery operated radio for long periods of time. It will run at 12V contrary to some postings that say other wise.

#### Lander Llama Company

This was the place where I stayed. They raise llamas and use them for pack animals for hikers into the wilderness. Lot easier than carrying stuff yourself and of course, you can carry more stuff like antennas, etc. :-)

Scott is the owner and he was kind enough to let me set up antennas on the property. Cabin (called the bunk house) is small. In the first hour I bumped my head several times and did some serious damage. So went to the car and put on my \$230 baseball cap for protection against additional hair removal. :-)

The llamas are interesting critters. I am almost 2 meters tall and walking up to one of the critters we see eye-to-eye. Not small. But they sure looked calm at -15F in the morning. Scott used the 4-wheeler to move a bail of hay out to them every evening.

The foot of snow was not fun to move around in while putting up antennas. But I did manage.

So sorry for the lengthy posting, but I wanted this for my records too. It was the most fun I've had in SS. All due to the nice score and results using my own equipment and not some one else's contest station. See you in a couple of weeks during SSB SS. :-) This time from home.

dit dit

P.S. Will contest for food..... :-)

P.S.S. I didn't get home with the crescent wrench, so sometime in June when the snow melts they will find it. Guess I dropped it in the snow.

P.S.S.S What I need is my laptop and an Epson projector to show you all the pics and talk about the trip in detail. Lots of fun stuff.

I'm thinking about putting the pole and antenna on a rotating table more than 5 wavelengths away and measure the pattern of this antenna at 21'. Would that work? Any one care?

Chuck Adams, K7QO  
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

-----  
Date: Tue, 5 Nov 2002 17:11:38 -0600  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [139369] Run that by me one more time  
Message-ID: <030201c28520\$b1b3e640\$6d74da0c@mchsi.com>

Ok gang!! I know this thread has been on again off again for some time but I didn't pay much attention the last time it was on. So, work with me here as I searching for you opinion.

I stopped by my local RS to pick up some solder and it seems they no longer carry Rosin core solder in .022 or .015. The dude handed me a roll of " Silver-Bearing Solder " Its a 62/36/2 mix and the add staighted that it was for precicion electronics work.

Well, I don't know about you but I've never claimed to do anything " precision " in my life.

So, is this stuff going to work for all our favorite little kits or is there a related problem that I should know about.

( seems to me that Elecraft vetoed this stuff some time ago )

Whats the scoop folks?

Should I keep burning solder or should I keep looking?

Thanks to all:                      72 to the group:                      Jerry   N0JRN

-----  
Date: Tue, 05 Nov 2002 17:11:19 -0700  
From: "Juan A. Bertolin" <ea5xq@qsl.net>  
To: Antennas\_Address@rain.CC.Lehigh.EDU, qrp-1@lehigh.edu,  
FT817@yahooogroups.com  
Subject: [139370] MP-1 in a balcony  
Message-ID: <5.1.1.6.0.20021105171116.00b67cb0@pop.wanadoo.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi

I am using a MP-1 in the iron made balcony of my apartment and the performance of the antenna is not very good, I have tried several things related to the radials in order to increase the performance but ... not successful. I have used the antenna in a hotel close to the sea and it worked really fine (just with the out-of-the-box radials that came with the antenna).

Any tips? Anyone has been using the antenna in a balcony? if so, any special consideration? I have isolated the antenna from the balcony but no better improvements have been observed.

Thanks

Juan

=====  
=====

EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW (now in XE2/EA5XQ LOC: DL95to)  
Clubs: URE, G-QRP #9805, QRP-L #1461, EA-QRP #471  
MSMessenger: ea5xq\_Juan@hotmail.com  
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@  
Web Site: <http://www.qsl.net/ea5xq> (english version in  
[http://www.qsl.net/ea5xq/index\\_eng.html](http://www.qsl.net/ea5xq/index_eng.html) )

=====  
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Date: Tue, 05 Nov 2002 23:22:40 +0000  
From: "Mike WA8BXN" <hubby2k@hotmail.com>  
To: benlightnd13@mchsi.com, qrp-l@lehigh.edu  
Subject: [139371] Re: Run that by me one more time  
Message-ID: <F73S0wXbY8UvYl2GsYx0000343f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/html

```
<html><div style='background-color:'><DIV>
<P>It should work just fine, may be preferred in fact for surface mount kits.
Elecrafft I think said you don't have to use it for their kits (but I did for a K1
and K2), not that there was anything wrong with it.</P>
<P>73/72 - Mike WA8BXN<BR><BR></P></DIV>
<DIV></DIV>
<DIV></DIV>&gt;From: "Jerry Ford" <BENLIGHTND13@MCHSI.COM>
<DIV></DIV>&gt;Its a 62/36/2 mix and the add staighted that it was for precicion
<DIV></DIV>&gt;electronics work.
<DIV></DIV>&gt;
<DIV></DIV>&gt;&gt;So, is this stuff going to work for all our favorite little
kits or
<DIV></DIV></div><br clear=all><hr>Choose an Internet access plan right for you --
try MSN! <a href="http://g.msn.com/8HMFEN/2015">Click Here</a> </html>
```

-----  
Date: Tue, 5 Nov 2002 18:28:23 -0500  
From: "Jason Hisson" <jhissn1@columbus.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139372] FOX: New team?  
Message-ID: <01a801c28523\$089aafa0\$6e01a8c0@procyon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi guys,

I was thinking of starting a new Fox team for the winter hunts. If interested, reply to me directly. If you have never participated in a fox hunt, or you have but never been on a team... let's form up and see how well we can do. Bottom line is to have some fun....

Don't have a name yet... so make one up in your replies...

72!

Jason Hissong  
N8XE

-----  
Date: Tue, 5 Nov 2002 18:47:59 -0500  
From: "Dave Richards" <wr3i@earthlink.net>  
To: <radioham@gmx.co.uk>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139373] RE: Koch method CW Trainer upgrade  
Message-ID: <FAEEKPCBNNDNKGMPBKCEMFCIAA.wr3i@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks Ray just in time for Guy Fawkes  
Dave

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
Ray Goff  
Sent: Tuesday, November 05, 2002 5:51 AM  
To: Low Power Amateur Radio Discussion  
Subject: Koch method CW Trainer upgrade

Hi,

A new version of this popular software is on my web site today. Aside from a couple of bug fixes, the new version includes word by word reveal of the Common Words file and the option to have the Morse sound as though it is being sent on a straight key.

Follow the link below to download the latest version, which is again free!

72/73s  
Ray Goff, G4FON

[www.g4fon.co.uk](http://www.g4fon.co.uk)

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Date: Tue, 5 Nov 2002 18:54:10 -0500

From: "Dave Richards" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [139374] NEQRP SSB tonight?  
Message-ID: <FAEEKPCBNNDNKGMPiBKGEMFCIAA.wr3i@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ron and group what's the scoop for SSB tonight?  
Dave  
WR3I

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End of QRP-L Digest 2731  
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